



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 1]

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस]  
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Kolkata, the 4th January 2003

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587 1257, 587 1258, 587 7245.  
Fax No. (011) 587 6209, 587 2532.

3. Patent Office Branch,  
Guna Complex, 6th Floor, Annex-II,  
443, Annasalai, Teynampet,  
Chennai-600 018.

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamilnadu and  
Pondicherry and the Union  
Territories of Lakshadweep.

Telegraphic Address "PATENTOFFICE"  
Phone No. (044) 431 4324/4325/4326.  
Fax No. (044) 431 4750/4751.

4. Patent Office (Head Office),  
Nizam Palace, 2nd M.S.O. Building,  
5th, 6th & 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Kolkata-700 020.  
Rest of India.  
Telegraphic Address "PATENTS"  
Phone No. (033) 247 4401, 247 4402, 247 4403.  
Fax No. (033) 247 3851, 033 240 1353.

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पेटेंट कार्यालय  
एकस्व तथा अधिकल्प

कोलकाता, दिनांक 4 जनवरी 2003

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,  
टोडी इस्टेट, तीसरा तल,  
सन मिल कम्पाउंड,  
लोअर परेल (वेस्ट),  
मुम्बई - 400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश,  
गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, दमन तथा दीव,  
दादर और नगर हवेली।

तार पता - "पेटोफिस"  
फोन - (022) 492 4058, 496 1370, 490 3684.  
फैक्स - (022) 490 3852.

2. पेटेंट कार्यालय शाखा,  
डब्ल्यू-5, वेस्ट पटेल नगर,  
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटोफिक"  
फोन - (011) 587 1255, 587 1256, 587 1257,  
587 1258, 587 7245  
फैक्स - (011) 587 6209, 587 2532.

3. पेटेंट कार्यालय शाखा,  
गुणा कम्प्लेक्स, छठा तल, एनेक्स-II,  
443, अन्नासलाई, तेनामपेट,  
चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ  
शासित क्षेत्र लक्षद्वीप।

तार पता - "पेटेंटोफिक"  
फोन - (044) 431 4324/4325/4326.  
फैक्स - (044) 431 4750/4751.

4. पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5वां, 6ठा व 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कोलकाता - 700 020।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"  
फोन - (033) 247 4401, 247 4402, 247 4403.  
फैक्स - (033) 247 3851, (033) 240 1353.

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999  
अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन,  
सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के  
केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां  
उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से  
नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा  
सकती है।

## ALTERATION OF DATE

189174 Filed on 18.03.97

688/DEL/97 Ante dated to 18.12.91

189184/982/MAS/1995 Ante dated to 10.03.1992

189185/983/MAS/1995 Ante dated to 10.03.1992

189187/1150/MAS/1997 Ante dated to 14.08.1998

189189/105/MAS/2000 Ante dated to 20.07.1998

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate along with evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

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## संशोधित संपूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या आठ महीने ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में वांछ्य के साथ यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं है, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

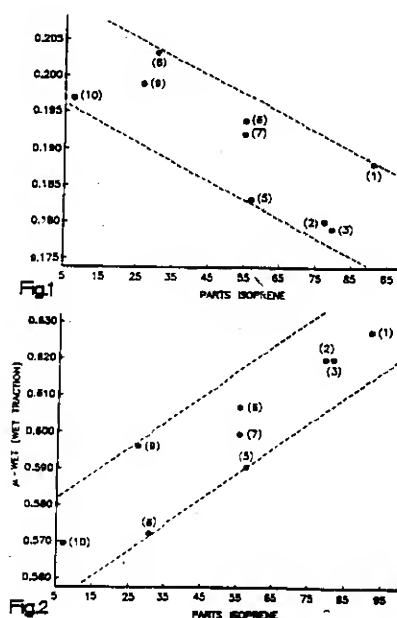
Indian Classification : 32 E 189171  
 4  
 International Classification : C08 L 25/10  
 Title : "A RUBBER COMPOSITION."  
 Applicant : GENERAL TIRE, INC., a corporation  
 organized and existing under the laws of the  
 State of Ohio, United States of America, of One  
 General Street, Akron, Ohio 44329, United  
 States of America.  
 Inventors : HUBERT J FABRIS - U.S.A.,  
 IVAN GLEN HARGIS - U.S.A.,  
 RUSSELL A. LIVIGNI - U.S.A. &  
 RICHARD M. WISE - U.S.A.  
 Kind of Application : COMPLETE  
 Application for Patent Number 0834/DEL/93 filed on 05-08-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent  
 Office Branch, New Delhi - 110 008.

( 07 Claims)

A rubber composition for use as a tire tread comprising a mixture of 30% to 70% 1, 4 cis-polyisoprene and 70%-30% of an emulsion co-polymer rubber comprised of an isoprene monomer, styrene monomer and butadiene monomer there being between 4% to 17% of styrene monomer and between 8 to 85% of butadiene monomer in the emulsion copolymer.

(Complete Specification Pages 15 Drawing Sheet -1)



189172

Indian Classification : 32F ; 55E.

International Classification<sup>4</sup> : C 12 N 9/00.

Title : **"A PROCESS FOR THE PREPARATION OF THERMOSTABLE PROTEASE ENZYME".**

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION (A Government of India Enterprise) of 20-22, Zamroodpur Community Centre, Kailash colony Extension, New Delhi-110 048. INDIA.

Inventors : **BIMAL CHANDRA BHATTACHARYA.**  
**RINTU BANERJEE-all Indian.**

Kind of Application : COMPLETE

Application for Patent Number 1893/DEL/95 filed on 17.10.95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Delhi Branch, New Delhi – 110 008.

(06 Claims)

A process for the preparation of thermostable protease enzyme comprising preparing a fermentation feed medium of cheap agroresidue, sterilizing said feed medium by heating at a temperature of 110 to 150°C for a period of 5-60 minutes followed by cooling under aseptic conditions to a temperature of 30-40°C, inoculating said sterilized medium by using a novel innoculum of fungus *Rhizopus oryzae* of the kind as herein described in the presence of sterile air, centrifuging said fermented medium for separating protein enzyme solution there from, and then concentrating said protein enzyme by the process of ultra filtration followed by ammonium sulphate precipitation in order to obtain thermostable protease enzyme.

(Complete Specification Pages 13 Drawing NIL Sheets)

Indian Classification : 83 A 1 189173

International Classification : A 23 L - 1/20

Title : "A PROCESS FOR PREPARATION OF SHELF-STABLE PRE-COOKED DAL IN THE FORM OF SOFT-SMALL GRANULES/NOODLES".

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, Ministry of Defence, Government of India, Technical Coordination Dte., B-341, Sena Bhawan, DHQ P.O. New Delhi-110 011, India an Indian National

Inventors : SUSAINATHAN ANTHONY DAS  
DESIRAJU VIJAYA RAO  
KADRI RAMARAO GOPALA RAO  
ALL INDIAN.

Kind of Application : COMPLETE

Application for Patent Number 53/Del/97 filed on 08.01.97.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(05 Claims)

A process for the preparation of shelf-stable pre-cooked dal in the form of soft small granules/noodles which can be instantly converted into liquid/semi liquid dal by stirring with warm/hot water or even with tap water comprising soaking the dal in the water, cooking said soaked dal under steam pressure characterized in that salt and acidulant as herein described being mixed with said cooked dal, subjecting said mix to the step of homogenisation and packing, and then subjecting said packets to the step of heat treatment at a temperature of 80-90°C.

(COMPLETE SPECIFICATION 09 SHEETS      DRAWING SHEETS - NIL -)

Indian Classification : 174 B<sub>1</sub>, G 189174

International Classification<sup>4</sup> : A 47 L 08/00

Title : "A SUSPENSION ROD ASSEMBLY"

Applicant : WHIRLPOOL CORPORATION, a Delaware corporation, of 2000 M-63 Benton Harbor, Michigan 49022, United States of America,

Inventors : ROBERT ALEX. BRENNER - U.S.A.  
JEFFREY LEE. BURK - U.S.A.  
BRENNER MARTIN. SHARP - U.S.A.

Kind of Application : COMPLETE/DIVISIONAL

Application for Patent Number 0688/Del/97 filed on 18.03.1997.  
Divided out of patent application No. 1246/del/91 filed on 18.12.91.  
Antidated to 18.12.91.

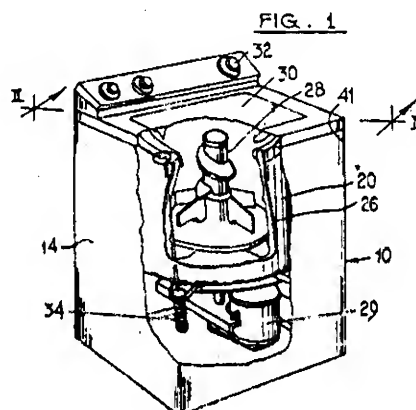
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

(03 Claims)

A suspension rod assembly for washing machine for hanging a base from a frame arranged above the base, the base having base portions for engaging the assembly, comprising :

- a rod (46) mounted to said frame at a first end and terminating in a free second end located below the base;
- a collet (64) having:
  - a first inclined shoulder portion (82a) and a second inclined shoulder portion (82b), facing toward each other in a spaced apart posture separated by a gap, said first shoulder portion (82a) providing a first surface facing said base portion, and said second shoulder portion (82b) providing a second surface facing said base portion and said base portion providing a third surface abutting said first and second surfaces, said first and second surface inclined toward each other such that force from said third surface upon said first and second surfaces squeezes said first shoulder portion (82a) and said second shoulder portion (82b) together, said rod piercing said collet (64) through said channel, said base portion overlying, and supported by said collet (64);
- a tube portion (84) having an axial channel for insertion of said rod therethrough, said tube portion arranged between and connecting said first shoulder portion (82a) to said second shoulder portion (82b) at a first end of said tube portion, said tube portion split along its axis with a first slot (88), said first slot (88) open to said gap, said first slot (88) terminating at a first distance from a second end of said tube portion, said tube portion (84) further split by a second slot (90) from said second end of said tube portion (84) said first end of said tube portion, said second slot (90) oriented angularly offset about the axis of said tube portion (84) from said first slot (88), said second slot (90) terminating a second distance from said first end of said tube portion (84); characterized in that
- an end cap (56) is mounted to said second free end of said rod; and
- a compression spring (54) is arranged coaxially around said rod (46), abutting at a first end said collet (64) and at a second end said end cap (56), said compression spring (54) biasing said collet (64) away from said end cap (56).

(Complete Specification 15 Pages Drawing Sheet 02)



Indian Classification	:	83A <sub>1</sub> .	189175
International Classification <sup>4</sup>	:	A 23 L 1/20	
Title	:	<b>"A PROCESS FOR THE PREPARATION OF INSTANT COOKING PULSES AND WHOLE LEGUMES".</b>	
Applicant	:	The chief Controller, Research & Development, Ministry of Defence Govt. of India, B-341, Sena Bhawan, DHQ PO, New Delhi-110 011,	
Inventors	:	<b>SADA SINGH ARYA. PRAKASH EAKNATHRAO PATKI. SOMASHEKHARAN PANDIT SRIHARI. ANIL DUTT SEMWAL. GOPAL KUMAR SHARMA-all Indian.</b>	
Kind of Application	:	COMPLETE.	

Application for Patent Number 574/DEL/98 filed on 05.03.98

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)

Patent Office, Delhi Branch, New Delhi - 110 003

(07 Claims)

A process for the preparation of instant cooking pulses and whole legumes characterized in that the pulses and whole legumes being soaked in cure solution having upto 5% by weight of sodium chloride, potassium chloride or both for 1 to 12 hours, subjecting the cured pulses and legume to the step of cooking in an autoclave/pressure cooker at a pressure of 5 to 20 pounds for 10 min. to 2 hours, conditioning the cooked material to bring down moisture between 45 and 65%, spreading said pulses and legumes in trays and freezing the same at -5 to -20 degree celsius, removing the frozen material from said trays and shredding the same into small pieces, thawing and drying the material and finally blending the same with refined oil/vanaspati oil or ghee and spices as herein described.

(Complete Specification 10 Pages Drawing NIL Sheets)



Indian Classification : 55 F 189176

International Classification : A 61 K - 31/00

Title : A PROCESS FOR THE PREPARATION OF NOVEL  
SYNTHETIC PEPTIDE EPITOPE USEFUL FOR DIA-  
-GNOSIS OF ASPERGILLOSIS

Applicant : COUNCIL OF SCIENTIFIC AND  
INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-  
110001, India (An Indian Registered Body, Incorporated  
under Registration of Societies Act)

Inventors : PURNAM USHA SARMA  
TARUNA MADAN  
PRIYANKA PRIYADARSHNY  
ALL INDIAN.

Kind of Application : COMPLETE

Application for Patent Number 752/Del/98 filed on 24.03.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office  
Branch, New Delhi - 110 008.

(10 Claims)

A process for the preparation of a novel synthetic peptide epitope, having the amino acid sequence Threonyl-asparaginyl-lysyl-tryptophanyl-glutamyl-aspartyl-lysine, useful for the diagnosis of aspergillosis which comprises loading of suitably protected threonine attached with appropriately functionalised polystyrene resin by conventional methods in the presence of organic solvents, treating the said threonine loaded resin with deblocking agents as here in defined, thereby deblocking of the protected moiety from the  $\alpha$ -amino group of threonine, coupling a suitably protected asparagine with free  $\alpha$ -amino group of threonine obtained after deblocking the protected moiety of the said threonine using conventional coupling reagents, repeating the steps of coupling and deblocking with suitably protected lysine, tryptophan, glutamine, aspartic acid, lysine, drying the resin coupled with desired peptide sequence by conventional methods, cleaving of the peptide from the resin by acid treatment and neutralising the cleaved peptide with conventional method, deblocking of the protecting groups of the side chains of the various amino acids, followed by hydrogenation and repeated precipitation to obtain the desired peptide.

(COMPLETE SPECIFICATION 14 SHEETS DRAWING SHEETS - NIL -)

Indian Classification : 32 189177

International Classification : C 07 D - 311/82

Title : "A METHOD FOR PREPARATION OF A COMPOSITION USEFUL FOR THE DETECTION AND ESTIMATION OF NANOGRAM QUANTITIES OF PROTEIN PRESENT IN BIOLOGICAL FLUIDS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India (An Indian Registered Body, Incorporated under Registration of Societies Act)

Inventors : PURSHOTTAM DAS GUPTA  
ABDUL ABDUL WAHEED  
BOTH INDIAN.

Kind of Application : COMPLETE

Application for Patent Number 1300/Del/98 filed on 15.05.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

(05 Claims)

A method for preparation of a composition useful for detection of nanogram quantities of proteins present in biological fluids, which comprises dissolving the components of composition by conventional manner in distilled water, the said components are being an anionic fluorane derivatives of xanthene dyes such as herein described, having absorption in the range of 510 nm to 550nm and an acid such as organic or inorganic acid as defined herein, wherein the concentration of the dye in the said aqueous solution ranges from 0.005 to 0.025% (w/v) and concentration of acid ranges from 0.01 to 1.0 % and the pH of the resultant composition ranges from 1 to 6.

(COMPLETE SPECIFICATION 15 SHEETS      DRAWING SHEETS - NIL -)

Indian Classification	:	89.	189178
International Classification <sup>4</sup>	:	B01J 1/00.	
Title	:	<b>"AN APPARATUS FOR DETECTING AT LEAST ONE SINGLE OR DOUBLE STRANDED NUCLEOTIDE".</b>	
Applicant	:	LORNE PARK RESEARCH, INC., of Box 101, Suite 2018, 20 Queen Street West, Toronto, Ontario, Canada M5H 3R3.	
Inventors	:	YUAN MIN WU-CHINA EILEEN XIAO-FENG NIE-CHINA.	
Kind of Application	:	COMPLETE/CONVENTION	

Application for Patent Number 1838/DEL/98 filed on 30.06.98

Convention date:-01.07.1997 ; 08/0886.280 ; USA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Delhi Branch, New Delhi - 110 008.

(08 Claims )

An apparatus for detecting at least one single stranded or double stranded nucleotide sequence in a liquid medium, said apparatus comprising;

a container adapted to contain said liquid medium, and at least one single stranded or double stranded nucleotide sequence, and at least one antisense probe capable of forming a hybridization complex with said atleast one nucleotide sequence, wherein said antisense probe comprises atleast one marker;

a laser source connected to the said container for irradiating said liquid medium with a laser beam having a wavelength which excites said marker and causes said marker to emit fluorescent light;

a fluorescence detector optically connected with the said container for measuring an intensity of said emitted fluorescent light; emitted by the liquid medium in the said container;

a data analysis device connected to the said detector for comprising said measured intensity with a reference intensity to detect at least one nucleotide sequence in the said liquid medium without separating unhybridized probes from said at least one hybridization complex prior to detecting said intensity, and without providing a single quenching agent either on said at least one antisense probe or on said at least one nucleotide sequence.

(Complete Specification Pages 38 Drawing 10 Sheets)

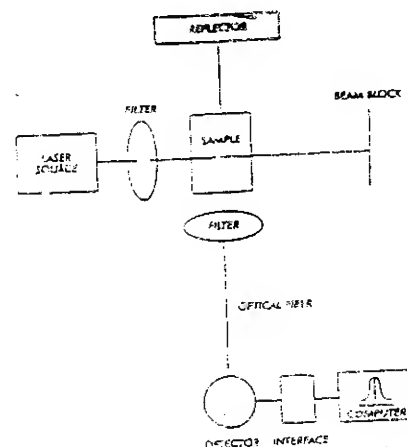


FIG. 1A

Indian Classification : 55 E 189179

International Classification<sup>4</sup> : A 61 K-33/18

Title : "A PROCESS FOR THE PREPARATION OF A COMPOSITION FOR USE IN AQUA CULTURE FOR TREATMENT OF EPIZOOTIC ULCERATIVE SYNDROME (EVS)".

Applicant : INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KRISHI BHAWAN, NEW DELHI-110001

Inventors : DR. SUBHAS CHANDRA MUKHERJEE INDIAN

Kind of Application : COMPLETE

Application for Patent Number 1900/Del/1998 filed on 06.07.1998.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

(05 Claims)

A process for the preparation of a composition for use in aqua culture for treatment of epizootic ulcerative syndrome (EVS) comprising mixing one part by weight of iodine with two parts by weight of iodide salt, adding 5-10 gms zinc salt to said mix of the weight of 100 gm and dissolving said mixture in distilled water.

(COMPLETE SPECIFICATION 05 SHEETS

DRAWING SHEETS -NIL-)

Indian Classification : 55 E 189180

International Classification : A 61 K- 31/00

Title : "A PROCESS OF MANUFACTURING CAMPTOTHECIN DERIVATIVES".

Applicant : **CHONG KUN DANG CORP.,**  
of 410, Shindorim-dong, Guro-gu,  
Seoul, 152-070, Republic of Korea.

Inventors : **CHUNG IL HONG – U.S.A.**  
**JUNG WOO KIM**  
**SANG JOON LEE**  
**SOON KIL AHN**  
**NAM SONG CHOI**  
**KYE KWANG KIM**  
**BYEONG SEON JEONG**  
**REST ALL KOREAN.**

Kind of Application : COMPLETE

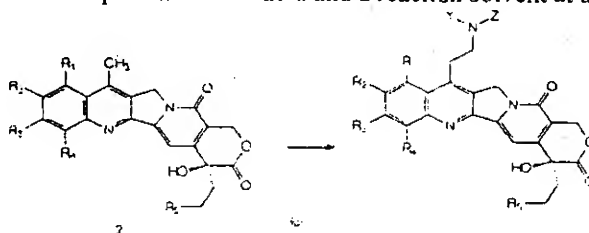
Application for Patent Number 1921/Del/98 filed on 06.07.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(06 Claims).

Aprocess of manufacturing camptothecin derivatives of the compound of general formula 1 or a pharmaceutically acceptable salt thereof, wherein the said process comprises:

- reacting a compound of formula 2 with an amine or salt thereof and with a formaldehyde source of the kind as herein described in the presence of an acid and a reaction solvent at a temperature ranging between 20-150°C.



- wherein Y and Z are the same or different and each represents a hydrogen atom, an  $c_1 - c_6$  alkyl group, a  $c_1 - c_3$  hydroxyalkyl group, or a general protecting group of amine such as benzyloxycarbonyl, benzyl, etc.;  $R_1$  is a hydrogen atom, an  $c_1 - c_6$  alkyl group, or a hydroxy group;  $R_2$  and  $R_3$  are the same or different and each represents a hydrogen atom or a hydroxy group, or they may be attached together to form a cyclic moiety, which is methylenedioxy or an ethylenedioxy group;
- $R_4$  is a hydrogen atom or an  $C_1 - C_6$  alkyl group; and
- $R_5$  is hydrogen, hydroxy, fluoro, chloro, bromo, iodo or amine.

(COMPLETE SPECIFICATION 14 SHEETS

DRAWING SHEETS -NIL-)

Ind.Class - 131-A<sub>2</sub>Int.Cl.<sup>4</sup> - E 21 B 33/06 189181**"SELF LOCKING DEVICE"**

Applicants & ) (1) **JAKKA SURYAPRAKASH**, H.No. 4-8-113, Gowliguda,  
Inventors: ) Behind Rammandir, Hyderabad - 500 012, Andhra Pradesh;  
Indian;

(2) **COTLA SHREE VAMSHI MOHAN REDDY**, S/o. C.  
Gopal Reddy, H.No. 5-2-500, Osman Gunj, Hyderabad  
- 500 195, Andhra Pradesh, Indian.

(3) **KANNA RAMA REDDY**, H.No. OUB-19, Near Engg.  
College, Osmani University Campus, Hyderabad - 500 007,  
Andhra Pradesh.

Application No. 135/MAS/95 dated: **February 06, 1995.**

Complete Specification left: **May 22, 1996.**

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),  
Patent Office, Chennai Branch.

**2 Claims**

A device capable of preventing of capping blow-out in oil wells, comprising a platform anchored to the ground on inner to outer cylinder provided with a cooling system and packed with heat resistant high density material between the two cylinders with capplates and a metal cutter fixed at one end and the other end a drilling rod (passing through the inner cylinder) is mounted such that when a drilling rod touches oil bearing starta resulting in accidental blow-outs which are preventable by capping initiated by spring controlled impulsive force for horizontal motion of the capping plate after the metal cutter is brought into action for cutting the rod.

( Prov. 3 pages (Com. - 8 pages; Drwgs. - 10 sheets)

Ind. Cl. :

33 A

69152

Int. Cl.<sup>4</sup> :B 22 D 11 / 00,  
11 / 14, 11 / 16

"A PROCESS AND AN APPARATUS FOR MANUFACTURING  
A COOLED STEEL BILLET"

APPLICANT(S) :

MANNESMANN AKTIENGESELLSCHAFT  
OF MANNESMANNUFER 2,  
40213 DUSSELDORF  
GERMANY  
A GERMAN COMPANY

INVENTOR(S) :

1. DR. WOLFGANG REICHELT;  
2. DR. ULRICH URLAU;  
3. DIPL.-ING. PAUL FREIER;  
4. DR. KARL-HEINZ SPITZER.

APPLICATION NO :

221 MAS 95

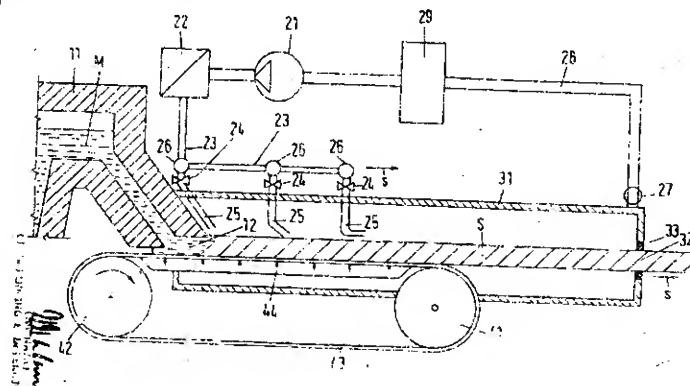
FILED ON 23-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 1972 ) PATENT OFFICE, CHENNAI BRANCH.

### 19 CLAIMS

A process for manufacturing a cooled steel billet by cooling molten steel, in which at least a portion of a melt emerging from a metal nozzle of a metallurgical vessel is solidified by contacting a cooling surface, said process comprising the steps of: blowing a gas through a gas nozzle onto a surface of a freely accessible molten steel strand having a predetermined cross-section as it emerges from the metal nozzle, wherein the gas nozzle is oriented at an angle of between  $0^{\circ}$  and  $45^{\circ}$  relative to a plane defined by the strand and the directed gas is of quantity and speed so as to impact upon the surface of the strand and reduce the cross-section of the strand; forming a reducing atmosphere on the surface of the strand; and exposing the strand to the reducing atmosphere at least until solidification is complete.

COMP. SPECN : 14      PAGES:      DRAWING: 15 SHEETS  
REFERENCE CITED: DE OS 21 63 928  
DE 32 27 132 A1



Ind. Cl. : 33 A 189181

Int Cl<sup>4</sup> : B 22 D 19 / 14

" INVERSION CASTING APPARATUS COMPRISING A.  
CRYSTALLIZER VESSEL"

APPLICANT(S) : MANNESMANN AKTIENGES ELLSCHAFT  
MANNESMANNUFER 2  
D-40213 DUSSELDORF  
GERMANY A GERMAN COMPANY

INVENTOR(S) : 1. FRITZ PETER PLESCHIUTSCHNIGG; 2. DIETER STALLEICKEN;  
3. LOTHAR PARSHAT; 4. INGO V HAGEN;  
5. ULRICH MENNE; 6. TAREK EL GAMMAL;  
7. PETER LORENZ HAMACHER; 8. MICHAEL VONDERBANK.

APPLICATION NO : 640 MAS 95 Filed on 29-May-95 GERMAN

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 1972 )PATENT OFFICE, CHENNAI BRANCH.

### 19 CLAIMS

An inversion casting device comprising a crystallizer vessel having a base in which a slit-shaped passage (13) is provided through which a substrate strip (T) is guided; a collecting tank (21) which surrounds horizontally about the crystallizer vessel (11); and nozzles (23) in a region of the passage (13), the said nozzles being in fluid communication with the said collecting tank, the nozzles having orifices (26) arranged so that melt (S) flowing out of the orifices from the collecting tank (11) strikes the substrate strip (T) at an angle of inclination in a strip take-off direction of less than 30°.

COMP.SPECN: 18 PAGES DRAWING: 3 SHEETS.  
REFERENCE CITED: US 3 466 186  
EP 0 311 602 B1



Ind.Class – 33-G &amp; 152-E

189184

Ind.Class – B 22 C 7/00  
C 08 L 25/14  
C 08 J 9/20

**"A PROCESS FOR MAKING AN EXPANDABLE THERMOPLASTIC  
PATTERN FOR METAL CASTING AND THE THERMOPLASTIC  
PATTERN MADE THEREBY"**

**Applicant:** FOSECO INTERNATIONAL LIMITED, a British Company,  
Of 285, Long Acre, Nechells, Birmingham, B7 5JR, England

**Inventors:** (1) YOSHIYUKI KATO, (JAPAN)  
(2) HIDEAKI SHIBATA, (JAPAN)  
(3) WILLIAM SIMMONS, (ENGLAND)  
(4) NIGEL KEITH GRAHAM, (ENGLAND)

Application No. 982/MAS/95 dated August 01, 1995.

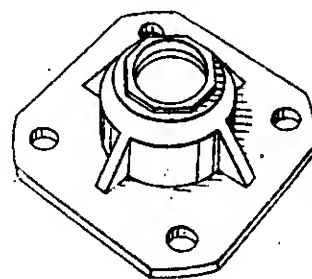
Divisional to Patent Application No. 145/MAS/92 (Ante-dated to March 10, 1992).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),  
Patent Office, Chennai Branch.

15 Claims

A process for making an expandable thermoplastics pattern for metal casting comprising expanding and forming to a desired shape an expandable resin composition wherein the expandable resin composition is produced by impregnating upto 10% based on the total weight of monomers of a known volatile blowing agent with a copolymer having a weight average molecular weight of 150,000 to 350,000 produced by copolymerisation of 55 to 85% by weight of styrene monomer and 15-45% by weight of a methacrylic acid ester monomer having the general formula  $\text{CH}_2 = \text{C}(\text{CH}_3)\text{COOR}$  (where R represents 1-4 carbon atom alkyl group).

(Com. – 26 pages; Drwgs. – 2 sheets)



Ind.Class - 136-E

Int.Cl.<sup>4</sup> - C 08 J 9/16

189185

**"A METHOD OF PRODUCING A METAL CASTING IN  
AN EXPANDED THERMOPLASTICS PATTERN"**

**Applicant:** FOSECO INTERNATIONAL LIMITED, a British Company, of 285  
Long Acre, Nechells, Birmingham, B7 5JR, England.

**Inventors:** (1) YOSHIYUKI KATO, (JAPAN)  
(2) HIDEAKI SHIBATA, (JAPAN)  
(3) WILLIAM SIMMONS, (ENGLAND)  
(4) NIGEL KEITH GRAHAM, (ENGLAND).

Application No. 983/MAS/95 dated August 01, 1995.

Divisional to Patent Application No. 145/MAS/92 (Ante-dated to March 10, 1992).

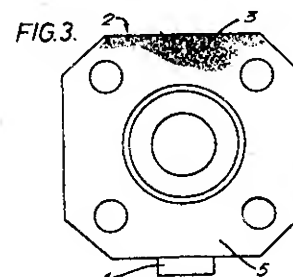
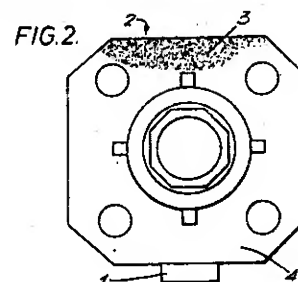
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),  
Patent Office, Chennai Branch.

**15 Claims**

A method of producing a metal casting in which an expanded thermoplastics pattern is surrounded by particulate refractory material and molten metal is poured on to the pattern so as to degrade the pattern and form the casting on solidification of the metal as a replica of the pattern, wherein said expanded thermoplastics pattern is produced from an expandable resin composition produced by impregnating with up to 10% by weight based on the total weight of monomers of a volatile blowing agent a copolymer having a weight average molecular weight of 150,000 to 350,000 produced by copolymerisation of 55 to 85% by weight of styrene monomer and 15 to 45% by weight of a methacrylic acid ester monomer having the general formula  $\text{CH}_2 - \text{C}(\text{CH}_3) \text{R}$  (where R represents a 1 to 4 carbon atom alkyl group).

**REF CITED:** U.S. PATENT NOS. 4,790,367 & 4,983,640  
INDIAN PATENT NO. 180,468

(Com. - 24 pages; Drwgs. - 2 sheets)



Ind.Class - 32-C

189186

Int.Cl.<sup>4</sup> - C 07 C 143/46

**"A PROCESS FOR PREPARING A SYNERGISTIC  
COMPOSITION FOR THE CURE OF ULCERS  
AND GASTRITES"**

**Applicant:** TABLETS (INDIA) LIMITED, an Indian Co.,  
of 179 TH Road, Chennai - 600 081,  
Tamil Nadu.

**Inventors:** (1) RAJAGOPAL THIRUVENGADAM, (INDIA)  
(2) MULLATH ARAVINDAKSHAN, (INDIA)

**Application No.** 888/MAS/99 dated September 08, 1999.

**Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Chennai Branch.**

**6 Claims**

A process for preparing a synergistic composition  
for the cure of ulcers and gastrites comprising blend-  
ing sodium azulene sulphonate and L-glutamine in the  
range of 1mg to 5mg and 800 mg to 1200 mg res-  
pectively with conventional colourants, additives and  
excipients.

(Com. - 7 pages)

Ind.Class - 32-F<sub>2</sub>(b)

189187

Int.Cl.<sup>4</sup> - C 07 D 277/08

**"AN IMPROVED PROCESS FOR THE PREPARATION OF  
5-[4[(CARBOETHOXY)METHOXY] BENZYLIDINE]  
THIAZOLIDIN-2,4-DIONE DERIVATIVES"**

**Applicant:** Dr. REDDY'S RESEARCH FOUNDATION, an Indian Company having its Registered Office at 7-1-27, Ameerpet, Hyderabad - 500 016, Andhra Pradesh, India.

**Inventors:** (1) CHEBIYYAM PRABHAKAR, (INDIA)  
(2) POTLAPALLY RAJENDER KUMAR, (INDIA)  
(3) GADE CHINA BAKKI REDDY, (INDIA)  
(4) SATISH BALARAM MAHANTI, (INDIA)  
(5) MAMILLAPALLI RAMABHADRA SARMA, (INDIA)  
(6) GADDAM OM REDDY, (INDIA)

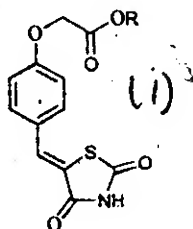
Application No. 1150/MAS/99 dated November 29, 1999.

Divisional to Patent Application No. 2060/MAS/98 ;  
Ante-dated to 14<sup>th</sup> September, 1998..

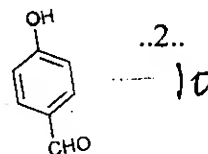
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),  
Patent Office, Chennai Branch.

6 Claims

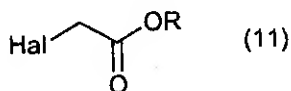
A process for the preparation of 5-[4-[(carboethoxy) metboxy] benzylidine thin a 2 olidine derivatives of the formula (I)



Where R represents a (C<sub>1</sub>-C<sub>4</sub>) alkyl group which comprises:

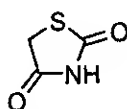


- a) reacting p-hydroxybenzaldehyde of formula (10) with alkylhaloacetate of the formula (11)

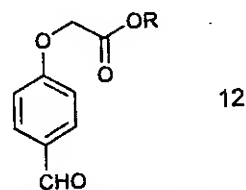


where Hal represents halogen atom selected from fluorine, chlorine or bromine and R is as defined above in the presence of aromatic hydrocarbon solvent, a base, iodine and alkyl or aryl sulphonic acid for a period in the range of 3 to 10 h to obtain the compound of the formula (12),

- b) condensing the compound of formula (12) where R is as defined above with thiazolidine-2,4-dione of the formula (13)



13



in the presence of piperidine, benzoic acid and an organic solvent for a period in the range of 6 to 8 h to produce a compound of formula (I) and

isolating the compound of formula (I) by conventional methods

Ref.cited: INDIAN PATENT APPLICATIONS  
Nos. 1150/MAS/96 & 2060/MAS/98

(Com. – 21 pages)

Ind : 83 A 1 189188

Int Cl<sup>4</sup> : A 23 G 3 / 00

"A PROCESS FOR THE PREPARATION OF A CHEWY CONFECTIONERY PRODUCT".

APPLICANT(S) : SOCIETE DES PRODUITS NESTLE  
S.A. OF P O BOX 353, 1800 VEVEY  
SWITZERLAND, A SWISS BODY  
CORPORATE

INVENTOR(S) : 1. LOUISE BARRETT;  
2. JAMIE EDWARD GEDDES;  
3. SANTI FRANCESCO MANGANO;  
4. FRANK SCHMICK;  
5. ANDREW STEVE WHITEHOUSE.

APPLICATION NO : 1199 MAS 99 filed on 17-Dec-99

CONVENTION NO : 9902073.7 29-Jan-99 UK

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS  
( RULE 4 , PATENTS RULES, 1972 ) PATENT OFFICE, CHENNAI BRANCH.

## 2 Claims

A process for the preparation of a chewy confectionery product which comprises heating oxidized starch, such as herein described, to a temperature above 50° c to result in gelatinisation of the oxidized starch, mixing from 0.5 to 20% of said gelatinized starch with from 30 to 90% of sugar and glucose syrup to produce a formulation mixture, cooking the formulation mixture in a known manner to provide a cooked mass, and shaping the cooked mass in a known manner to obtain the chewy confectionery product.

COM.SPECN: 16 PAGES DRAWING: NIL SHEETS.

Ind. Class - 32-F<sub>2</sub>-(a)Int. Cl.<sup>4</sup> - C 07 B 43/08

189189

**"A PROCESS FOR PREPARING A 2-CYANOBIIPHENYL COMPOUND"**

Applicant: SUMIKA FINE CHEMICALS CO. LTD., of 1-21 Utajima 3-chome, Nishiyodogawa-ku, Osaka-shi, Osaka, Japan, (a Japanese Company).

Inventors: (1) TADASHI KATSURA, (JAPAN)  
(2) HIROSHI SHIRATANI, (JAPAN)  
(3) KIYOSHI SUGI, (JAPAN)  
(4) NOBUSHIGE ITAYA, (JPANA).

Application No. 105/MAS/2000, dated 9<sup>th</sup> February, 2000.

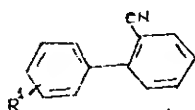
Convention Date: January 21, 1997; (No. 9-23345; Japan)

Divisional to Patent Application No. 124/MAS/98;  
Ante-dated to 20<sup>th</sup> January, 1998.

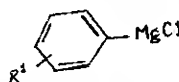
Appropriate Office for Opposition Proceedngs (Rule 4, Patents Rules, 1972), Patent Office, Chennai Br.

7 Claims

A process for preparing a 2-cyanobiphenyl compound represented by the formula (II):



wherein R<sup>1</sup> is an alkyl group having 1 to 6 carbon atoms, an alkoxy group having 1 to 6 carbon atoms, or hydrogen atom, comprising the steps of reacting a phenylmagnesium chloride compound represented by the formula (I)



wherein R<sup>1</sup> is as defined above, with ZnCl<sub>2</sub>; and reacting the resulting product with o-chlorobenzonitrile in the presence of both an aprotic polar solvent such as herein described and a Ni catalyst.

Ref. cited: JAPAN PATENT (LAID OPEN Nos. HE1)  
6-9536 & 8-109,143

(Com. 29 pages)

189190

**"PROCESS FOR THE MANUFACTURE OF A COMPOSITE  
CONSUMABLE PRODUCT BY DOUBLE EXTRUSION"**

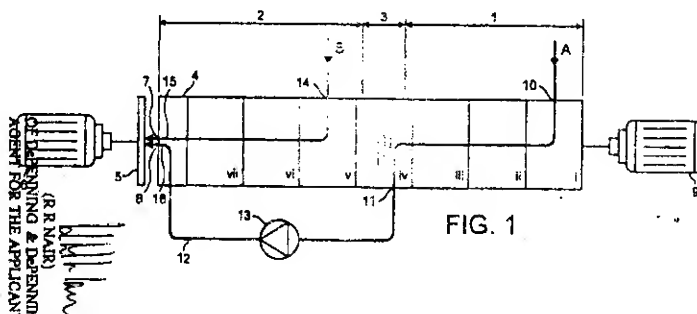
Inventors:

- (1) GEROMINI OSVALDO, (ITALIAN)
- (2) HECK ERNST, (AUSTRALIA)
- (3) PFALLER WERNER, (GERMANY)
- (4) FARNSWORTH JOHN T., (U.S.A.)
- (5) BENGTSSON RIVEROS ANNMARIE, (SWIDEN)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),  
Patent Office, Chennai Branch.

A process for the manufacture of a composite consumable product by double extrusion, in which a liquid or pasty consumable substance is prepared in a first section of a twin-screw extruder, a plasticizable consumable substance is cooked-extruded in a second section of the twin-screw extruder separated dynamically from the first, at least one strand of a cooked - extruded mass is obtained, the said strand is cut into pieces, the liquid or pasty consumable substance is added to the cooked-extruded mass and pieces of a composite consumable product are obtained therefrom.

(Com. - 28 pages; Drwgs. - 6 sheets)





Indian Classification	:	188	189191
4.			
International Classification	:	B05 D 3/02, 3/10	
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF THIN FILM HAVING TRANSITION METAL OXIDE/METAL CHALCOGENIDES/METAL HALIDES COATING."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India (an Indian registered body incorporation under Registration of Societies Act (Act XXI of 1860).	
Inventors	:	SHIVARAM DATTATRAYA SATHAYE - INDIA, KASHINATH RAGHU PAUL - INDIA & DIPU VINAYAK PARANJPE - INDIA.	
Kind of Application	:	COMPLETE	

Application for Patent Number 0380/DEL/94 filed on 31-03-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

( 05 Claims)

An improved process for the preparation of thin film having transition metal oxide/metal chalcogenides/metal halides coating which comprises:

- (a) Preparing an aqueous solution containing cation/anion or species as herein described capable of forming a metal oxides/chalcogenides or metal halide wherein the pH of said aqueous solution is in the range of 3 to 12 and solute concentration is the range of  $10^{-5}$  to  $10^{-3}$  M.
- (b) Preparing an organic solution comprising cations, anions or species capable of combining in solution with said cations, anions or species capable of forming a metal oxide, metal chalcogenide or metal halide in step (a) wherein said organic solution compressed a volatile organic solvent and is immiscible with said aqueous solution. the solute concentration of the organic solution is in the range of  $10^{-5}$  to  $10^{-3}$  M.
- (c) Spreading said organic solution onto said aqueous solution so as to form a system having a film at the interface between said aqueous solution and said organic solution,
- (d) Evaporating the volatile organic solvent,
- (e) Applying constant pressure to compress said system,
- (f) Dipping the substrate into said system and withdrawing said substrate at a uniform rate to form the film on said substrate,
- (g) Heating the said substrate at a temperature ranging from 500-800°C to crystallize said film formed on said substrate.

(Complete Specification Pages 13 Drawing Sheets -NIL)

4--397 GI/02

Indian Classification : 128 C 189192  
 4  
 International Classification : A 61 C 13/00  
 Title : "A JAW BONE CUTTING DEVICE."  
 Applicant : Chief Controller, Department Of  
 Defence Research And  
 Development, Defence Research  
 And Development Organisation,  
 Sena Bhawan, Ministry Of Defence,  
 Government Of India,  
 New Delhi, India.  
 Inventors : TURAGA RAVINDRANATH – INDIA, &  
 RAMESH KUMAR MEHTA – INDIA.  
 Kind of Application : PROVISIONAL - COMPLETE .

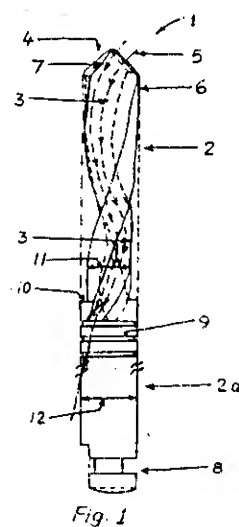
Application for Patent Number 0403/DEL/94 filed on 05-04-94.

Complete left after Provisional filed on 31.03.95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent  
 Office Branch, New Delhi – 110 008.

( 06 Claims)

A jaw bone cutting device for machining the recess in the jaw bone for implanting a dental implant comprising a cutting/flute part having at least two helicoid grooves provided for discharging the drilled material and connected to a non-cutting shank part, cutting tips being provided on the rear end of said flute part, a counter portion being provided on the opposite end of said shank part, and a drill guide being provided to guide said cutting device during the drilling operation.



(Complete Specification Pages 14 Drawing Sheets -2)

(Provisional Specification Pages 06 Drawing Sheets – Nil)

Indian Classification : 166 A 189193  
International Classification : B 60 F 3/00  
Title : "AMPHIBIAN TWO WHEEL VEHICLE."  
Applicant : PAUL STEPHEN ALEXANDER resident of C-2.D. 64/A, Janakpuri, New Delhi-110058, India, An Indian National.  
Inventors : PAUL STEPHEN ALEXANDER  
Kind of Application : COMPLETE  
Application for Patent Number 0611/DEL/94 filed on 19-05-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

( 08 Claims)

An amphibian two wheel vehicle comprising a known type of two wheel vehicle, characterized in that a dismantlable frame horizontally mounted on its chassis, a pair of extensions from the mounted frame with legs on each side of the front and rear wheels of the vehicle to hold a pair of floats to provided buoyancy in water and series of dynamically shaped blades fixed on the rear wheel spokes and a rudder at the rear to move and navigate the vehicle when the same is driven in water by the engine of the said vehicle fixed at a raised level on the chassis so that the same remains above the water.

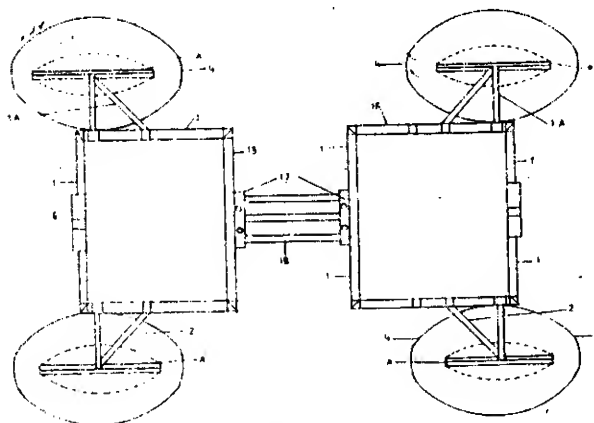


FIG. NO. 5

(Complete Specification Pages 11 Drawing Sheets - 9)

Indian Classification : 128 A 189194  
 International Classification : A 61F 13/16  
 Title : "AN ABSORBENT ARTICLE"  
 Applicant : THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the state of Ohio United States of America, of One Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America.  
 Inventors : BRUCE WILLIAM LAVASH – US  
 THOMAS WARD OSBORN – US AND  
 KAORU NIIHARA – JAPENSE.  
 Kind of Application : COMPLETE.

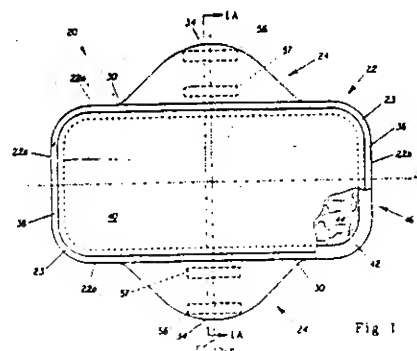
Application for Patent Number 613/DEL/94 filed on 19.5.94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(7 Claims)

An absorbent article for wearing in a user's undergarment, said absorbent article having a principal longitudinal centerline (L) and a principal transverse centerline (T) and including a main body portion (22) having a perpendicular axis (69) and comprising an absorbent assembly having an absorbent core (44) and two spaced apart longitudinal edges; a first flap (24) and a second flap (24), each being joined along a juncture (30) to said main body portion (22), said flaps each having a proximal edge (32) adjacent the line of juncture (30), a distal edge (34) disposed away from the line of juncture (30) and a distal edge (34) projection, wherein a first flap securement member and a second flap securement member are joined thereto that said first flap securement member superposes said second flap securement member and is removably secured thereto when said flap is folded along a fold line; and the distal edge (34) projection of said first flap and the distal edge (34) projection of said second flap each forming an included angle of at least 180° relative to the perpendicular axis (69) of said main body portion (22) when said first flap and said second flap are folded along said fold line.

( Complete Specification Pages – 50 Drawing sheets – 16)



Indian Classification : 170 A 189195

International Classification<sup>4</sup> : C 11 D - 3/395

Title : "A BLEACHING COMPOSITION".

Applicant : **THE PROCTER & GAMBLE COMPANY**,  
a corporation organized and existing under the laws of  
the State of Ohio, United States of America, of One  
Procter & Gamble Plaza, Cincinnati, Ohio- 45202,  
United States of America,

Inventors : BURNS MICHAEL EUGENE – U.S.A.  
COLLINS JEROME HOWARD -- U.S.A.  
WILLEY ALAN DAVID – U.S.A.

Kind of Application : COMPLETE

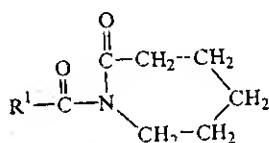
Application for Patent Number 614/Del/1994 filed on 19.05.1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office  
Branch, New Delhi – 110 008.

(09 Claims)

A bleaching composition which comprises:

- (i) hydrophobic caprolactam bleach activator of the formula:



wherein R<sup>1</sup> is a hydrocarbyl substituent which contains at least 6 carbon atoms;

- (ii) a hydrophilic bleach activator;
- (iii) a peroxygen bleaching compound, preferably perborate or percarbonate, and
- (iv) the balance comprising an additional ingredient selected from deterative surfactants, detergent, builders and optionally a conventional detergent adjunct or mixtures thereof.

(COMPLETE SPECIFICATION 25 SHEETS

DRAWING SHEETS –NIL–)

Indian Classification : 131 A<sub>2</sub> 189196  
 4  
 International Classification : E 21 D 11/00, 15/00, 17/00  
 Title : "AN IMPROVED STEEL ARCH USEFUL FOR UNDERGROUND MINES/TUNNELS."  
 Applicant : Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act ( Act XX1 of 1860).  
 Inventors : SIBNATH MAITY – INDIA, BHARAT BHUSHAN DHAR – INDIA & PINAKI RANJAN GHOSH – INDIA.  
 Kind of Application : COMPLETE  
 Application for Patent Number 0631/DEL/94 filed on 20-05-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

( 02 Claims)

An improved steel arch useful for underground mines/tunnels, which comprises a curve U-section arch (2), characterized in that the said arch being provided on both ends with slidingly coupled U-section arch pieces (1), the said top and bottom arch pieces (2 & 1) being provided with atleast two guides (3) on both sides, the said guides (3) being fixed by conventional known means (4 & 5) with the said top section arch (2) which is slidingly coupled with the bottom section arches (1), the ends of the said top section arch (2) being placed on holder plates (6), the said holder plates being fixed with the said bottom sections on both sides by conventional known means (7 & 8), the said bottom portion arches (2) also having one or more pair of holder plates (6) being fixed by conventional known means (7 & 8) on both sides below the previous set (S).

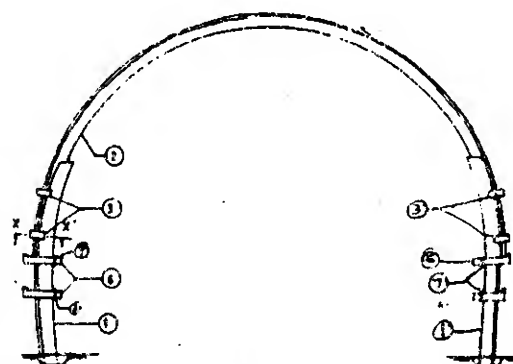


FIG. 1

Indian Classification : 39 'O' 189197

International Classification : C 01 B 33/20

Title : "AN IMPROVED PROCESS FOR THE PREPARATION OF MICA PAPER."

Applicant : Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act ( Act XXI of 1860).

Inventors : SAMIR KUMAR GHOSH – INDIA, & DIP CHANDRA SAIKIA – INDIA.

Kind of Application : COMPLETE

Application for Patent Number 0636/DEL/94 filed on 20.05.94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

( 09 Claims)

An improved process for the preparation of Mica Paper which comprises cleaning the mica waste or mica scrap by known methods cutting into sizes in the range of 8 sq.mm to 10 sq.mm, heating the said mica at a temperature in the range of 600 to 800°C in a furnace for a period of 35 minutes to 4 hours at a temperature in the range of 600°C to 800°C, soaking the said heated mica in a lukewarm solution of an alkali, selected from sodium carbonate or sodium bicarbonate ranges from 3 to 6% on the basis of dry mica the said soaked mica with an acid solution under stirring for a period in the range of 1.5 to 2 hrs to get fluffy and softmass of mica, washing the said fluffy and softmass of mica by the turbulent flow of water to get a slurry, washing the said slurry with water to remove the acid adding bleached alpha cellulose pulp and/or a binder into the said mica slurry, processing the resultant slurry in any conventional paper making machine to obtain the mica paper.

(Complete Specification Pages 09 Drawing Sheets -Nil)

Indian Classification : 136 E 189198  
 4  
 International Classification : E04 B 2/86; B 28 B 1/48  
 Title : "AN ELONGATED HOLLOW RECTILINEAR THERMOPLASTIC STRUCTURAL COMPONENT AND METHOD OF MANUFACTURING SAID COMPONENT."  
 Applicant : ROYAL BUILDING SYSTEMS (CDN) LIMITED, a company incorporated under the laws of the Province of Ontario, of 1 Royal Gate Blvd., Woodbridge, Ontario, Canada L4L 8 Z7.  
 Inventors : VITTORIO DE ZEN -- CANADA.  
 Kind of Application : COMPLETE / CONVENTION

Application for Patent Number 0644/DEI 114 filed on 20.05.94

Convention Application Number 2,097,226/CA/28.05.93

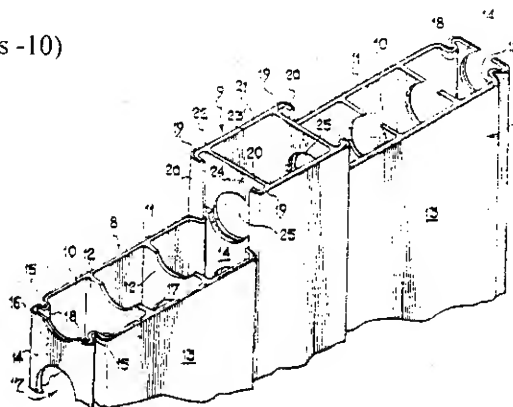
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)  
 Patent Office Branch, New Delhi - 110 008.

(19 Claims)

An elongated hollow rectilinear thermoplastic structural component (8, 9, 9, 26, 27, 35, 35, 37, 40, 80) for use in the erection of a thermoplastic building structure, said component presenting planar spaced walls held in spaced relation by transverse walls or webs and having interlocking means extending the length thereof for interlockingly engaging with mating components, CHARACTERIZED IN THAT said component is a coextrusion of a hollow substrate (10,21) and a smooth protective skin (11, 22) covering said hollow substrate on surfaces which are exposed as exterior walls (13, 23) when said component is interlocked with mating components with said transverse walls or webs (12, 14, 24) which are interior walls when said component is interlocked with mating components having material cut out therefrom to provide a plurality of openings (17, 25) therethrough spaced along the length thereof inwardly of said interlocking means (15, 19, 20) to provide interior communication passages between interlocked components, the material cut out from the walls or webs (12, 14, 24) providing material suitable for use in extruding the substrate of a subsequent component.

FIG. 3

(Complete Specification Pages 25 Drawing Sheets -10)



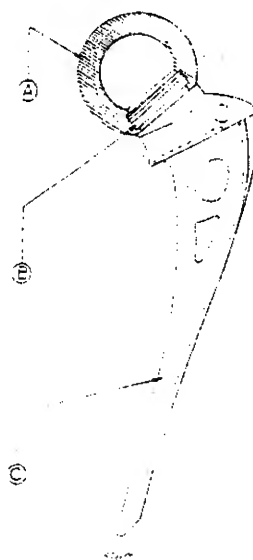


Indian Classification : 128 G 189199  
4  
International Classification : A 61 F 1/00  
Title : "AN IMPROVED HIP JOINT PROSTHESIS."  
Applicant : COUNCIL OF SCIENTIFIC AND  
INDUSTRIAL RESEARCH, Rafi Marg, New  
Delhi-110001 India, an Indian registered body  
incorporated under the Registration of Societies  
Act (Act XXI of 1860).  
Inventors : DEBABRATA BASU – INDIA, SANDIP  
CHATTERJEE – INDIA, RAJATES DAS –  
INDIA, LAKSHMI KANTA NASKAR –  
INDIA, DUDH KUMAR NASKAR – INDIA,  
MANOJ KUMAR BASU – INDIA.  
Kind of Application : COMPLETE  
Application for Patent Number 0690/DEL/94 filed on 02-06-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent  
Office Branch, New Delhi – 110 008.

( 05 Claims)

An improved hip joint prosthesis which comprises a stem (C) made of a bio-compatible metal or alloy, characterized in that the neck (B) of the said stem being provided with thread on the outside diameter, a spherical hollow-head (A) of bio-inert and bio-compatible material having matching bulk density of that of human bone being fixed to the said stem by means of matching counter thread, the said matching counter thread being provided on the inner diameter of the said spherical hollow-head (A).



(Complete Specification Pages 14 Drawing Sheets -2)

Indian Classification : 84 C1 189200  
4  
International Classification : C04 B 33/32  
Title : "A PROCESS FOR THE MANUFACTURE OF  
LIGHTWEIGHT SINTERED AGGREGATE  
FROM COALASH/FLY ASH."  
Applicant : Council of Scientific and Industrial Research,  
Rafi Marg, New Delhi-110001. India, an Indian  
registered body incorporated under the  
Registration of Societies Act (Act XXI of 1860)  
Inventors : BANSIDHAR NAYAK – INDIA,  
DIPENDRA NARAYAN DEY – INDIA  
& RATNA DASGUPTA – INDIA.  
Kind of Application : COMPLETE

Application for Patent Number 0691/DEL/94 filed on 02-06-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent  
Office Branch, New Delhi – 110 008.

( 02 Claims)

A process for manufacture of light weight sintered aggregate from coal ash/fly ash, characterized by its batch operation at a temperature ranging  $1000^{\circ} - 15000^{\circ} \text{C}$  for 10 – 30 minutes, at a suction pressure in the range of 200 – 800 mm WG, which comprises mixing thoroughly coal ash/fly ash with solid wastes such as red mud, metallurgical slags, flue dust, laterite, limesludge, phosphosypsum, sponge iron plant wastes and solid fuel such as coke/coal/char dust, to obtain a homogenized mixture, granulating the resultant mixture in the presence of water and sintering the said granulated mixture by conventional down draft sintering process (DDS) at a temperature, pressure and time period as defined above; cooling the resulting sinters to obtain light sintered aggregates.

(Complete Specification Pages 11 Drawing Sheets -Nil)

Indian Classification : 65 A<sub>2</sub> 189201  
 4  
 International Classification : H02 M 7/00  
 Title : "A BATTERY CHARGING APPARATUS."  
 Applicant : MOTOROLA, INC., a corporation of the State of Delaware, United States of America, of 1303 East Algonquin Road, Schaumburg, Illinois, 60196, United States of America.  
 Inventors : ROBERT DANIEL KREISINGER – AMERICA, ARTHUR GORMAN BURNS – AMERICA & JOSE MARIA FERNANDEZ – AMERICA.  
 Kind of Application : COMPLETE

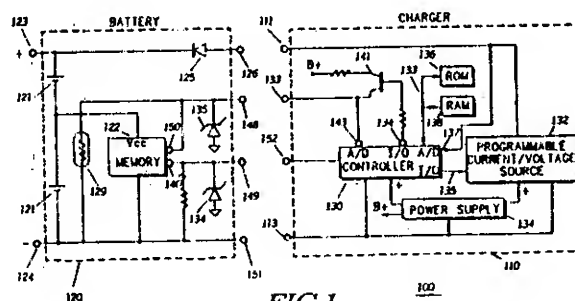
Application for Patent Number 0095/DEL/94 filed on 25 01-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(02 Claims)

A battery charging apparatus comprising: a battery charger for charging a rechargeable battery package, (120) said battery charger characterized by retrieving connectors (152, 153) for retrieving charging procedural instructions from a memory (122) in said battery package (120) a controller (130) as herein defined, connected to said retrieving connectors (152, 153) and to a current supply (132), said controller (130) for directing the current supply (132, 134) to supply charge current to the rechargeable battery package (122) in accordance with the charging procedural instructions retrieved from said battery memory (122) by said retrieving connectors (152, 153);

said battery charger having a charger memory means (136, 138) for storing said charging procedural instructions retrieved from said battery package (120), said charger memory means (136, 138) connected to said controller (130).



(Complete Specification Pages 10 Drawing Sheet -1)

FIG. 1

Indian Classification	:	32F <sub>3</sub> (a).	189202
International Classification <sup>4</sup>	:	C11D 1/00	
Title	:	<b>"A WATER SOLUBLE OR WATER DISPERSIBLE SOIL-RELEASING COMPOSITION".</b>	
Applicant	:	THE PROCTER & GAMBEL COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of One Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America.	
Inventors	:	GOSSELINK EUGENE PAUL-US PAN ROBERT YA-LIN-TAIWAN. KELLETT PATTI JEAN-US. HALL ROBIN GIBSON-BRITISH.	

Application for Patent Number 154/DEL/94 filed on 09.02.94

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)  
Patent Office Delhi Branch, New Delhi – 110 005.

### (13 Claims)

A water-soluble or water-dispersible soil releasing composition for use in detergents comprising:

A) at least 1 to 10% by weight of a substantially linear sulfonated poly-ethoxy/propoxy end-capped ester having molecular weight ranging from 500 to 8,000; said ester consisting essentially of on a molar basis:

i) from 1 to 2 moles of sulfonated poly-ethoxy/propoxy end-capping units of the formula:  $(\text{MO}_2\text{S})(\text{CH}_2)_m(\text{CH}_2\text{CH}_2\text{O})(\text{RO})_n$  wherein M is a salt-forming cation such as sodium or tetraalkylammonium, m is 0 or 1, R is ethylene, propylene or a mixture thereof, and n is from 0 to 2; and mixtures thereof;

ii) from 0.5 to 66-moles of units selected from the group consisting of:

a) oxyethyleneoxy units;

b) a mixture of oxyethyleneoxy and oxy-1,2- propyleneoxy units wherein said oxyethyleneoxy units are present in an oxyethyleneoxy to oxy-1,2- propyleneoxy mole ratio ranging from 0.5:1 to 10:1; and

c) a mixture of a) or b) with poly(oxyethylene)oxy units wherein said poly(oxyethylene)oxy units have a degree of polymerization of from 2 to 4; provided that when said poly(oxyethylene)oxy units have a degree of polymerization of 2, the mole ratio of poly(oxyethylene)oxy units to total group ii) units ranges from 0:1 to 0.33:1; and when said poly(oxyethylene)oxy units have a degree of polymerization of 3, the mole ratio of poly(oxyethylene)oxy units to total group ii) units range from 0:1 to 0.22:1; and when said poly(oxyethylene)oxy units have a degree of polymerization of 4, the mole ratio of poly(oxyethylene)oxy units to total group ii) units ranges from 0:1 to 0.14:1;

- iii) from 1.5 to 40 moles of terephthaloyl units; and
  - iv) from 0 to 26 moles of 5-sulfoisophthaloyl units of the formula  $(O)C(C_6H_3)(SO_3M)C(O)-$  wherein M is a salt forming cation; and
- B) from 0.5% to 20% by weight of ester of one or more crystallization-reducing stabilizers as herein described.
- C) the balance being selected from one or more conventional deterative surfactants, detergent builders and detergent ingredients.

Complete Specification    Pages 63    Drawing NIL    Sheet)

Indian Classification	:	32 C	189203
4			
International Classification	:	CO 7 D 521/00	
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF MONO CHLORO NAPHTHALENE."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi -110001 India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	ANAND PAL SINGH - INDIA, SUJIT BARUN KUMAR - INDIA, & PAUL RATNASAMY - INDIA	

Application for Patent Number 0209/DEL/94 filed on 24-02-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

( 06 Claims)

An improved process for the preparation of Monochloro naphthalene which comprises reacting naphthalene with chlorine gas in the presence of a chlorinated organic solvent and a micro porous aluminosilicate zeolite composite material having molar composition of  $M_z/O : Al_2O_3 : ZSiO_2$  (Where M is an alkali or alkaline earth metal with valency n and z is between 2 to 500) and pore size 6-10 a at a temperature in the range of 5-140°C at autogenous pressure for a period in the range 1-20 h and recovering the monochloro naphthalene from the reaction mixture by conventional methods.

(Complete Specification Pages 14 Drawing Sheets -Nil)

Indian Classification : 76 B 189204  
 4  
 International Classification : A 44 B 21/00  
 Title : "CLAMP FOR USE ON A HANGER."  
 Applicant : MAWA METALLWARENFABRIK WAGNER  
 GMBH, of Hohenwarter Strasse 100, D-85276  
 Pfaffenhofen/Ilm, Federal Republic of Germany.  
 Inventors : KARLHANS KRONAUER – GERMANY, JOSEF  
 AIGNER – GERMANY, FRANZ KLEIN –  
 GERMANY, KARSTEN WEBER – GERMANY,  
 MONIKA SCHMID – GERMANY & ROBERT  
 PFAB – GERMANY.

Application for Patent Number 0278/DEL/94 filed on 09-03-94.

Convention application Number 52491/93/Australia/17.12.93

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office  
 Branch, New Delhi – 110 008.

( 06 Claims)

Clamp for use on a hanger, said clamp having a first and a second clamp half (10, 20), each said clamp half (10,20) having two lateral angle pieces (11, 12; 21, 22) in each of which is located a hole (13, 14, 23, 24) for the positioning of the clamp halves (10,20) on said carrying arm (1), the angle pieces (11, 22 and 12, 21) which are directed against each other lie pairwise against each other and in each case one angle piece (11 ;21) of each clamp half (10, 20) lying on the inside and the other angle piece (12,;22) of the same clamp half (10, 20) lying on the outside, and the holes (13, 14; 23, 24) contacting the carrying arm (1) upon mounting of the clamp on the carrying arm (1), and a legged spring (4) which keeps the clamp (3) closed and fills, in axial direction, the space between the inner angle pieces (11, 21) of the clamp halves (10,20)

CHARACTERIZED IN THAT

The respective inner angle piece (11; 21) of one clamp half (10;20) is interlocked rotatably with the outer angle piece (22; 12) of the other clamp half (20;10) by a part (15) of the respective inner angle piece (11;21) being offset, cranked or bent outwardly and engaging in a corresponding aperture (36) /said hole (14;24) in the respective outer angle piece (12;22), or, inversely, a part (45, 55, 65, 75) of the respective outer angle piece (12;22) being offset, cranked or bent inwardly and engaging in a corresponding aperture (46) / said hole (13;23) in the respective inner angle piece (11;21)

(Complete Specification Pages 15 Drawing Sheets -8)

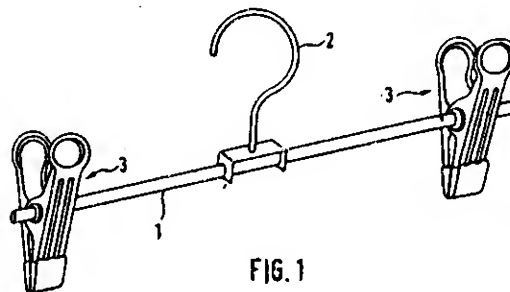


FIG. 1

Indian Classification	:	80 4	189205
International Classification	:	G01 N 33/49	
Title	:	"A PROCESS AND AN APPARATUS FOR SEPARATION OF HAEMOGLOBIN FRACTIONS FROM WHOLE BLOOD."	
Applicant	:	DR. (Mrs) Manjit Kaur Sharma, an Indian citizen, of Allergy Immunology Centre, 138, Defence Colony, New Delhi- 110024, India.	
Inventors	:	Manjit Kaur Sharma- India.	

Application for Patent Number 0284/DEL/94 filed on 11-03-94.

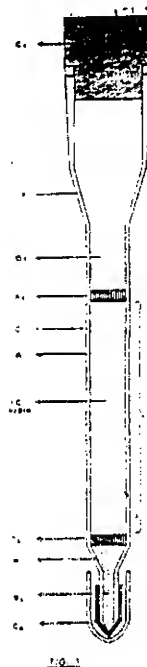
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

( 24 Claims)

An apparatus for separation of haemoglobin fractions from whole blood characterized by:

- a disposable column having a built in funnel at its top for containing buffers for elution of different components of haemoglobin,
- a nozzle at the bottom of said column to give desired flow of the buffer to permit separation and collection of different fractions of haemoglobin and a main column containing equilibrated ion exchange resin column for separation of different fractions of haemoglobin.
- the said ion exchange resin column is provided with a filter at its top to permit only haemoglobin molecules to pass through while retaining the cellular debris on top of the filter and
- a second filter at the bottom of the said ion exchange resin column to support the said resin column and allow the different fractions of the haemoglobin to pass through.

(Complete Specification Pages 12 Drawing Sheets -1)





Indian Classification : 32 C 189206  
4  
International Classification : C 23 C 30/00  
Title : "A THREE-LAYER METAL PIPE COATING  
COMPOSITION."  
Applicant : BASF LACKE + FARBEN  
AKTIENGESELLSCHAFT, a German company of  
Glasuritsstrasse 1 48165 Munster Federal Republic  
of Germany.  
Inventors : WERNER BLOMER – GERMANY,  
UDO REITER – GERMANY &  
JOSEF RADEMACHER – GERMANY.

Application for Patent Number 0308/DEL/94 filed on 21-03-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office  
Branch, New Delhi – 110 008.

( 05 Claims)

Three-layer metal pipe coating composition based on a powder primer containing epoxy resins and phenolic cross-linking agents, on a thermoplastic hard adhesive such as herein described and on a polyolefin cladding characterized in that the powder primer comprises 30 to 74% by wt. Of oxidized novolak resins, 10 to 45% by wt. of phenolic cross-linking agents and 10 to 40% by wt. of fillers based on crystalline silicic acid modifications.

(Complete Specification Pages 15 Drawing Sheets -Nil)

Indian Classification	: 128 A	189207
International Classification <sup>4</sup>	: A 61 F 13/00	
Title	: "A METHOD OF MAKING AN OPEN CELLED POLYMER FOAM"	
Applicant	: THE PROCTER & GEMBLE COMPANY a Corporation Organized and existing under the laws of the State of Ohio, United States of America, of One PROCTER & GEMBLE PLAZA, Cincinnati, Ohio, 45202, United States of America,	
Inventors	: PHAN DEAN VAN – U.S.A. TROKHAN PAUL DENNIS – U.S.A.	

Application for Patent Number 336/Del/94 filed on 25.03.94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office  
Branch, New Delhi - 110 008.

(4 Claims)

A method of making an open-celled polymer foam, the method characterized by the steps of:

- (1) Forming a reaction mixture comprising:
  - (a) a substantially water -soluble, unsaturated monomer comprising neutralized carboxyl groups, preferably a monomer derived from acrylic acid, malic acid, methacrylic acid, fumaric acid, itaconic acid, maleic anhydride, ethylacrylate, butylacrylate, or mixture thereof;
  - (b) a substantially water – soluble internal crosslinking agent capable of reacting with said monomer to form a superabsorbent polymer material, said agent preferably being selected from compounds having at least two polymerizable double bonds, compounds having at least one polymerizable double bond and at least one functional group reactive with said monomer, compounds having at least two function groups reactive with said monomer, and polyvalent metal compounds which can form ionic linkages, said agent more preferably being selected from N,N'-methylenebisacrylamide, triallylamine, triallylphosphate, and di-or poly – glycidyl ethers of aliphatic polyvalent alcohols;

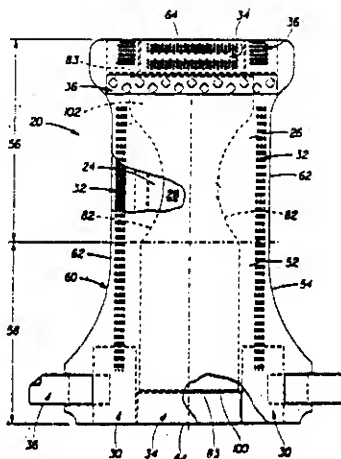


Fig. 3

(COMPLETE SPECIFICATION 93 SHEETS

DRAWING SHEETS -04-)

Indian Classification	:	90B, H	189208
4			
International Classification	:	C03 B 9/00, 9/10	
Title	:	"AN INDIVIDUAL SECTION GLASSWARE FORMING MACHINE."	
Applicant	:	EMHART GLASS S.A. a corporation organized and existing under the laws of Switzerland. of Gewerbestrasse 11, CH-6330 Cham, Switzerland.	
Inventors	:	STANLEY PETER JONES - UK	

Application for Patent Number 0340/DEL/94 filed on 28-03-94.

Convention Application Number 9307532.3 / UK/13.04.93

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

( 04 Claims)

An individual section glassware forming machine comprising:

a parison mould assembly having a parison mould in which a gob of glass is formable into a parison;

a blow mould assembly having a blow mould in which a formed parison is blown into a container, the blow mould and the parison moulds being aligned along a central axis of the section when in closed positions; and

transfer means for transferring parisons from the parison mould to the blow mould, characterized in that the transfer means has two parison transfer mechanisms each composed of

a supporting member;

two neck-ring arms mounted for rotation in the supporting member about a horizontal axis;

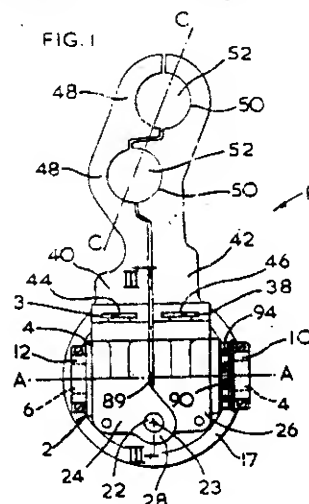
moving means for moving the neck-ring arms towards and away from each other between open and closed condition;

each said arm having a neck-ring support such that when the neck-ring arms are in their closed condition, a neck-ring supporting aperture is formed; and

the two transfer mechanisms are on opposite sides of the centre axis of the section, each said transfer mechanism being mounted for rotation about a vertical axis;

each said transfer mechanism operating in turn to move its neck-ring arms from a first position, in which the neck-ring supporting aperture is aligned with the parison mould and the horizontal axis is inclined to the central axis, to a second position, in which the neck-ring supporting aperture is aligned with the blow mould by movement of the neck-ring arms through 180 degrees about the horizontal axis while the transfer mechanism rotates about its vertical axis.

(Complete Specification Pages 16 Drawing Sheets -4)



Indian Classification	:	140 A <sub>2</sub>	189209
4			
International Classification	:	C08 L 95/00	
Title	:	"A METHOD FOR THE PREPARATION OF A BITUMINOUS COMPOSITION."	
Applicant	:	POLYPHALT INC., a company organized and existing under the laws of Canada, of Suite 119, 4 Lansing Square, Willowdale, Ontario, Canada M2J5A2.	
Inventors	:	ZHI-ZHONG LIANG – CANADA, RAYMOND THOMAS WOODHAMS – CANADA & JAMES WILLIAM SMITH- CANADA.	

Application for Patent Number 0359/DEL/94 filed on 29-03-94.

Convention Application Number 9306517.5/UK/29.03.93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

( 10 Claims)

A method for the preparation of a bituminous composition, which comprises dissolving a functionalized diene in a solvent which is bitumen or an oil compatible with bitumen, dispersing a functionalized polyolefin in said solvent, reacting said functionalized polyolefin and said functionalized diene so as to bind one end of said olefinic polymer to said diene, dispersing a polyolefin in a molten form in said solvent, and, where said solvent is oil compatible, dispersing the resultant composition in bitumen, dispersing at least one additional polymer in particulated form in said solvent to provide, in the bituminous composition, steric stabilization of said polyolefin by bonding of the free end of the functionalized polyolefin to said particulate polyolefin and stable incorporation of the at least one additional polymer by entanglement, physical entrapment, chemical cross-linking or a combination of two or more of such mechanisms.

(Complete Specification Pages 23 Drawing Sheets -Nil)

Indian Classification	:	108 C 3	189210
4			
International Classification	:	F 41 H 5/00, F 41 H 5/06	
Title	:	"A PROCESS FOR PREPARING BULLET PROOF STEEL."	
Applicant	:	THE STAR WIRE (India) LIMITED, an Indian Company, of A-11 Nizamuddin West, New Delhi 110013, India.	
Inventors	:	SUBODH KUMAR GOEL - INDIA	

Application for Patent Number 0365/DEL/94 filed on 30-03-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

( 09 Claims)

A process for preparing bullet proof steel comprising:

- melting at a temperature of 1500-1650°C steel scrap as herein described, ferro alloys as herein described and fluxes including limestone lime, flourspar, calcium carbide and petroleum coke in the proportion 80-90%, 8-10%, 10-15% by weight respectively,
- refining the said melt first in a converter and thereafter in the ladle refining furnace to get clean steel with respect to level of impurities and dissolved gas contents for achieving high ballistic properties,
- the said clean steel is thereafter micro-alloyed using ferrotitanium and ferro-boron to achieve 0.05-0.1 of titanium and 0.001-0.003 of boron by weight percent,
- casting the said steel into ingots of predetermined shape,
- transferring the said cast ingots in hot condition at a temperature between 850°C-1050°C for slow cooling @ 10-20°C per hour for minimum 72 hours for dehydrogenation,
- forging the said ingots into predetermined sizes for breaking the dendritic structure of the cast steel,
- annealing at a temperature between 800-900°C the said forged ingots for homogenization of the steel structure,
- rolling the said forged ingots into sheets, and
- spheroidise annealing hardening and tempering the said rolled at a temperature between 650-750°C sheets to obtain the required bullet proof steel.

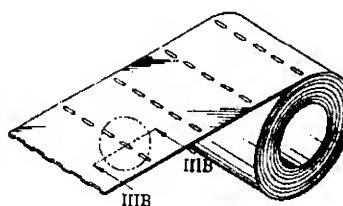
(Complete Specification Pages 08 Drawing Sheets -Nil)

Ind.Cl : 128 **189211**  
Int.Cl<sup>4</sup> : C 09 G 9/02  
  
Title : SAFETY TAPE ROLL FOR PACKING , SEALING , OR  
PROTECTION.  
  
Applicant(s) : CHENG-KANG KAO, OF 2 FL., No. 10, ALLEY 22, LANE 47,  
SEC 1, NEI HU RD, NEI HU DIST. TAIPEI, TAIWAN.  
REPUBLIC OF CHINA.  
  
Inventor(s) : CHENG-KANG KAO.  
  
Application No. 161/CA;/96 FILED ON 31.01.96.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

**7 CLAIMS.**

A safety tape roll for packing , sealing or protection purposes made from a thin plastic film with one surface thereof coated with a continuous adhesive known per se, the tape roll having a plurality of spaced cuts for permitting the tape to be easily torn apart at any selected length and for permitting the starting end of the tape to be quickly relocated.



*COMP. SPECN : 17 PAGES. DRAWING : 10 SHEETS.*

Ind.Cl : 43(F) **189212**

Int.Cl<sup>4</sup> : G 11 B 15/32 ; G 11 B 15/00

Title : AN IMPROVED CAM GEAR FOR A VIDEO CASSETTE RECORDER.

Applicant(s) : DAEWOO ELECTRONICS CO. LTD. OF 541, 5- GA, NAMDAEMOON-RO, JUNG-GU, SEOUL, REPUBLIC OF KOREA.

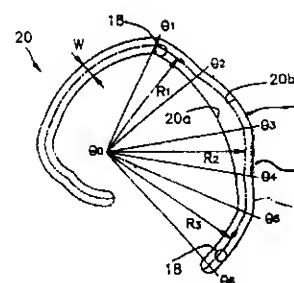
Inventor(s) : CHANG-HO LEE.

Application No. 762/CAL/96 FILED ON 26.4.96.  
(CONVENTION NO. 95-10598 FILED ON 29.4.95 IN REPUBLIC OF KOREA)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

### 1 CLAIM.

An improved cam gear for a video cassette recorder, the cam gear comprising a camming groove (20) having an inside camming face (20a) and an outside camming face (20b), the inside camming face (20a) having a stop mode inner-section of a first constant radius and a play mode inner-section of a second constant radius, the second constant radius being larger than the first radius, and the outside camming face (20b) having a stop mode outer-section of a third constant radius, the third constant being larger than the first constant radius by a predetermined camming groove width (W), a play mode outer-section of a fourth constant radius, the fourth constant radius being larger than the second radius by the camming groove width (W), a review search mode section of a fifth constant radius, the fifth constant radius being larger than the third constant radius and being smaller than the fourth constant radius, a first transition outer-section formed between the stop mode outer-section and the review search mode section and having a radius which continuously increases with distance from an end of the stop mode outer-section to a beginning of the review search mode section, and a second transition outer-section formed between the review search mode section and the play mode outer-section and having a radius which continuously increases with distance from an end of the review search mode section to a beginning of the play mode outer-section, wherein the improvement comprises a transition inner-section formed between the stop mode inner-section and the play mode inner-section and having a radius which continuously with distance from an end of the stop mode inner-section to a beginning of the play mode inner-section.



COMP. SPECN : 10 PAGES.

DRAWING : 7 SHEETS.

Ind.Cl : XXII(1) – 62 E 189213

Int.Cl<sup>4</sup> : D 06 F, 35/00 & 37/12, 37/24, 37/40.

Title : PULSATOR ASSEMBLY FOR A WASHING MACHINE.

Applicant(s) : DAEWOO ELECTRONICS CO. LTD. OF 541, 5-Ga,  
NAMDAMOON-RO, JUNG-KU, SEOUL, KOREA.

Inventor(s) : YOUN, KAB JIN.

Application No. 816/CAL/96 FILED ON 06.05.96.  
(CONVENTION NO. 95-22381 FILED ON 27.7.95 IN KOREA.)

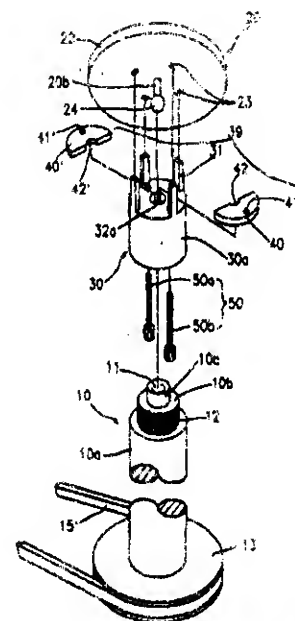
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULES 1972) PATENT OFFICE KOLKATA.

### II. CLAIMS.

A pulsator assembly for a washing machine comprising :  
a shaft pulley (13) connected with a driving pulley (9) of a driving motor (1) by means of a pulley belt (15) and for receiving a forward or reverse driving force generated when the driving motor (1) rotates forwards or in reverse;

a shaft (10) fixed to the shaft pulley (13) so as to be rotated in a forward or reverse direction according to a forward or reverse driving force transmitted to the shaft pulley (13);

a connecting member (30) for rotating in a forward or reverse direction according to a forward or reverse rotation of the shaft (10), an inserting hole (32a) being formed at the center of an upper end thereof, and a plurality of fixed projecting portions (31) being formed in a certain distance therebetween along the outer periphery of the upper end of the connecting member (30);





a pulsator (20) having a plurality of grooves (23) formed on a lower surface thereof, a protuberance portion (20b) formed at a center of the lower surface, a sphere-shaped ball portion (24) formed on a lower end of the protuberance portion (20b), wherein the pulsator (20) rocks in right, left, up and down directions while rotating forwards

or in reverse according to a forward or reverse rotation of the connecting member (30), the plurality of fixed projecting portions (31) of the connecting member (30) are inserted in the plurality of grooves (23) one to one, the ball portion (24) is inserted into the inserting hole (32a) of the connecting member (30), a size of each of the plurality of grooves is larger than that of each of the plurality of fixed projecting portions (31) in order for the pulsator (20) to freely move without being fixed by the fixed projecting portions (31) and a diameter of the inserting hole (32a) is larger than that of the ball portion (24) in order for the ball portion (24) to freely move inside the inserting hole (32a);

a confining part (39) disposed between the pulsator (20) and the connecting member (30) in order for the ball portion (24) to be prevented from separating from the inserting hole (32a) of the connecting member (30); and

an engagement part (50) for fixing the confining part (39) to the connecting member (30).

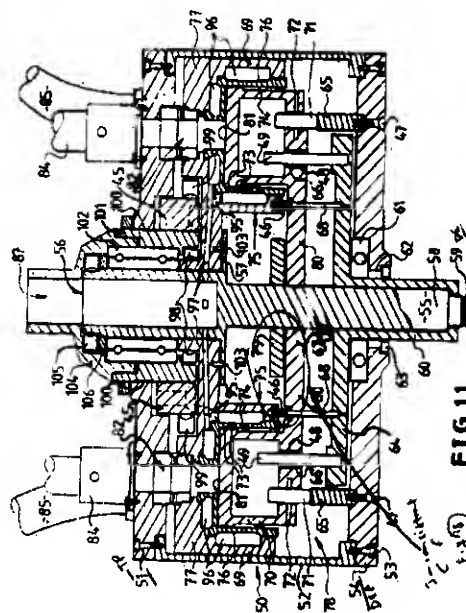
**COMP. SPECN : 19 PAGES.      DRAWING : 4 SHEETS.**

**Ind.Cl** : 107B 189214  
**Int.Cl<sup>4</sup>** : F 01 B , 13/06 F 01 C, 1/067  
**Title** : A ROTARY INTERNAL COMBUSTION ENGINE.  
**Applicant(s)** : ADVANCED ENGINE TECHNOLOGY PTY, LTD. OF 26,  
 RAILWAY ST. , SOUTHPORT 4215, QUEENSLAND,  
 AUSTRALIA.  
**Inventor(s)** : STEVEN CHARLES MANTHEY.  
**Application No.** 894/CAL/96 FILED ON 16.05.96.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
 (RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

24 CLAIMS.

A rotary internal combustion engine of the type having pistons (70) mounted for reciprocatory movement in respective cylinders (75) which are arranged in equally-spaced relationship around a longitudinal axis of rotation, said axis being the axis of rotation of an output shaft (55) passing rotatably and sealably through apertures (62) in respective first end plate (54) and second end plate (51) of a housing (50) within which the pistons and cylinders move as part of rotatable rotor assembly (78) secured to said output shaft, while the pistons are simultaneously moveable reciprocally in the cylinders, cam follower means (71) being associated with each piston and adapted to coact with undulating cam track means (65) around the housing, means (82) being provided for conveying



combustible fuel to, and for conveying exhaust gases from the operative ends of the bores (74) of the cylinders whereby cyclical combustion of fuel in said bores imparts reciprocation to said pistons (70) with resultant thrust against said cam track means (65) so as to cause rotation of said rotor assembly (78) and output shaft (55); characterized in that the pistons (70) comprise two sets thereof each having at least two pistons, the pistons of each set being at opposite sides of or spaced about the axis of rotation of the rotor assembly (78) and output shaft (55) and interconnected so that the pistons of each set move in unison, the parts being so made and arranged that the piston cam follower means (71) coact with the cam track means (65) in a manner ensuring that movement of one set of pistons in their respective cylinders is in the direction opposite to the direction of movement of the other set of pistons.

*COMP. SPECN: 30 PAGES.*

*DRAWING: 14 SHEETS.*

Ind.Cl : 25 C

189215

Int.Cl<sup>4</sup> : B 32 B 9/00

Title : A HIGH STRENGTH STRUCTURAL MATERIAL WITH  
THREE DIMENSIONAL LATTICE STRUCTURE AND A  
METHOD OF PRODUCING THE STRUCTURAL MATERIAL.

Applicant(s) : 1. JONATHAN AEROSPACE MATERIALS EUROPE AB,  
OF KUNGSGATAN 16, S-75332 UPPSALA, SE;  
2. JONATHAN AEROSPACE MATERIALS CORP., OF  
37 ANTWERP STREET, BRIGHTON MA 02135-1326,  
UNITED STATES OF AMERICA.

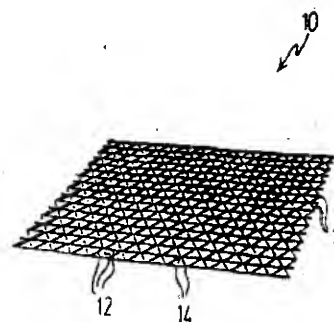
Inventor(s) : JONATHAN PRILUCK.

Application No. : 917/CAL/96 FILED ON 20.5.96.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

38 CLAIMS.

A high strength structural material with three dimensional lattice structure consisting of at least two plane and at least one folded lattice (10) wherein each of said plane and folded lattice (10) is comprised of filaments (12) running parallel in groups and wherein filaments (12) of different groups are enclosing an angle of at least  $10^{\circ}$  and at most  $90^{\circ}$ , wherein further the plane lattices (10) are comprising a lattice structure which is compatible with each of the outer limiting planes of the folded lattice (10) and which are connected therewith such as to form a lattice structure being comprised of at least two plane and folded lattice sandwiched therebetween, characterized in that, each of said plane and folded lattices is comprised of at least three groups of parallel filaments (12), wherein the filaments of different groups are enclosing an angle of at least  $10^{\circ}$  and at most  $90^{\circ}$ .



COMP. SPECN : 37 PAGES. DRAWING : 13 SHEETS.



**189217**

Ind.Cl : 5 C I (I)

Int.Cl<sup>4</sup> : A 01 D 46/08Title : A COTTON HARVESTOR FOR HARVESTING COTTON  
PLANTED IN NARROW ROW.Applicant(s) : DEERE & COMPANY. OF MOLINE. ILLINOIS 61265,  
UNITED STATES OF AMERICA.

Inventor(s) : NICASIO ROBERTO DEL ROSARIO.

Application No. 1175/CAL/96 FILED ON 25.6.96.  
(CONVENTION NO. 08/497,062 FILED ON 30.6.95 IN U.S.A..)APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.19 CLAIMS.

A cotton harvester (6) for harvesting cotton planted in narrow rows in a field, an upright row unit (10) adapted for forward movement through the field, the row unit comprising :

a force-and-aft extending row unit housing (12) defining a row receiving area (20);

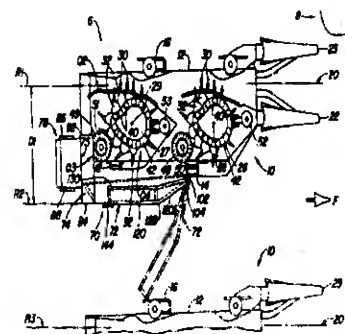
a cotton conveying duct (78) located at the aft end of the row unit;

a first harvesting drum (26) supported by the housing (12) for rotation about an upright axis (28) beside the row receiving area, the drum comprising of a plurality of spindles (30) for picking cotton from a row of cotton plants in the row receiving area;

a second harvesting drum (27) supported by the housing rearwardly of the first drum;

door structure (70) extending rearwardly from a forward location outwardly adjacent the first drum toward the aft end of the row unit, the door structure comprising a rearward discharge area (74) opening into the cotton conveying duct (78);

doffer columns (48,49) located adjacent of the harvesting drums for removing picked cotton from the spindles and directing the cotton outwardly to the door structure; and



wherein characterized in that the door structure comprises an access door (72) hinged (104) adjacent the forward location and extending rearwardly to a location adjacent the second harvesting drum, the access door swingable about the forward location from a closed harvesting position to an open access position providing a forwardly and inwardly opening area to facilitate access to the harvesting drum, and wherein a row of cotton plants next adjacent the row of plants being harvested by the row unit tends to bias the access door to the closed position as the row unit moves forwardly and the outer wall structure angled inwardly in downward direction toward row receiving area to thereby define a plant accommodation space (170) for the adjacent row of cotton plants.

*COMP. SPECN : 16 PAGES.      DRAWING : 2 SHEETS.*

Ind.Cl : 31 d **189218**

Int.Cl<sup>4</sup> : H 01 L 27/10.

Title : METHOD FOR THE PRODUCTION OF A READ-ONLY  
MEMORY CELL ARRANGEMENT.

Applicant(s) : SIMENS AKTIENGESELLSCHAFT,  
WITTELSBACHERPLATZ 2, D-80333 MUNCHEN,  
GERMANY.

Inventor(s) : 1. DR. FRANZ HOFMANN.  
2. DR. WOLFGANG ROESNER.  
3. DR. WOLFGANG KRAUTSCHNEIDER.  
4. DR. LOTHAR RISCH

Application No. 1203/CAL/96 FILED ON 28.6.96.  
(CONVENTION NO. 19524478.8 FILED ON 05.07.95 IN GERMANY.)

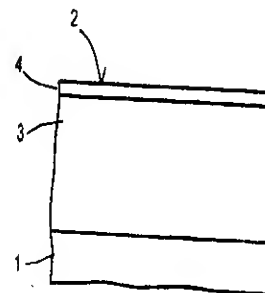
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

#### 4 CLAIMS.

Method for the production of a read-only memory  
cell arrangement,

- in which a cell array, having memory cells which  
each comprise an MOS transistor, vertical to the  
main face (2) and with a first dielectric (10), a  
floating gate (11), a second dielectric (12) and a  
control gate (13a), is formed on a main surface (2)  
of a semiconductor substrate (1), said method  
comprising the steps of:

a) - in which the semiconductor substrate (1) is doped  
with a first conductivity type at least in the region of the cell  
array





- b) - in which, in order to form the cell array, a region (4), doped with the second conductivity type and extending over the entire cell array, is produced on the main surface (2) of the semiconductor substrate (1),
- c) - in which a trench mask (6) is produced,
- d) - in which a plurality of essentially parallel strip-shaped trenches (7) are etched in the main surface (2) in an anisotropic dry etching process, with the trench mask (6) being used as an etching mask, strip-shaped regions (14b), arranged on the main surface (2) between neighbouring trenches (7) and doped with the second conductivity type, being formed by structuring the region (4) doped with the second conductivity type,
- e) - in which strip-shaped regions (14a), arranged at the bottom of the trenches (7) and doped with the second conductivity type, are formed by ion implantation, the trench mask (6) acting as an implantation mask,
- f) - in which the first dielectric (10), the floating gate (11), the second dielectric (12) and the control gate (13a) for the vertical MOS transistors are in each case formed on the opposite flanks of the trenches (7),
- g) - in which the floating gate (11) and the control gate (13a) of neighbouring MOS transistors along a flank are insulated from each other,
- h) - in which word lines (13a) are produced, extending transversely to the trenches (7) and in each case connected to the control gates (13a) of the vertical MOS transistors arranged below the respective word line (13a).

COMP. SPECN : 14 PAGES.      DRAWING : 3 SHEETS.

Ind.Cl : 98 D **189219**

Int.Cl<sup>4</sup> : F 26 B 13/22 , F 26 B 11/64

Title : THERMAL VAPORIZATION APPARATUS.

Applicant(s) : FENTON ENVIRONMENTAL TECHNOLOGIES, INC.  
, OF 228, ST. CHARLES AVE., SUITE 1330, NEW  
ORLEANS, LA 70130, UNITED STATES OF AMERICA.

Inventor(s) : 1. DANNY ROSS BOLTON.  
2. DAVID LEON BIGHAM.

Application No. 1837/CAL/96 FILED ON 18.10.96.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

12 CLAIMS.

Thermal vapourization apparatus comprising :

a cylindrical tube having two ends ;

a base on which said tube is rotatably mounted:

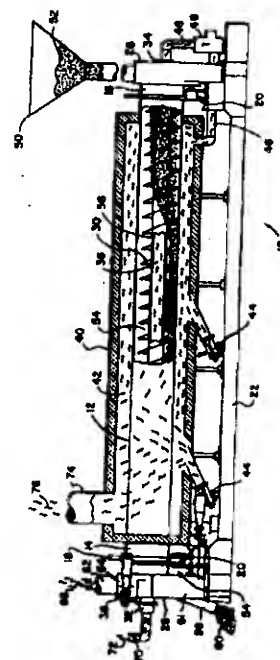
first drive means connected to said tube for rotating the tube:

an auger having two ends, said auger extending through said tube and being rotatably mounted:

second drive means connected to said auger for rotating the auger;

at least one heating means for heating the exterior of the tube while the tube is rotating;

a stationary wet material input chamber fixed to said base at one end of said tube with said tube extending into said input chamber;



feed means connected to said input chamber at said one end of the tube, for feeding wet material into the tube and to the auger; and

a stationary dried material and vapour discharge chamber fixed to the base at the other end of the tube, said tube extending into said discharge chamber at said other end of the tube.

*COMP. SPECN : 10 PAGES.      DRAWING : 4 SHEETS.*

Ind.Cl : 130 C1. **189220**

Int.Cl<sup>4</sup> : C 21 C 7/064

Title : A DEVICE FOR THE PRODUCTION OF LOW PHOSPHOROUS STEEL IN LD CONVERTERS.

Applicant(s) : 1. DR. TRIDIBESH MUKHERJEE 2. DR. AMIT CHATTERJEE  
C/O. THE TATA IRON & STEEL CO. LTD. JAMSHEDPUR  
831 001, BIHAR, INDIA. 3. THE TATA IRON &  
STEEL COMPANY, LTD, JAMSHEDPUR 831 001, BIHAR, INDIA.

Inventor(s) : 1. DR. TRIDIBESH MUKHERJEE 2. DR. AMIT CHATTERJEE

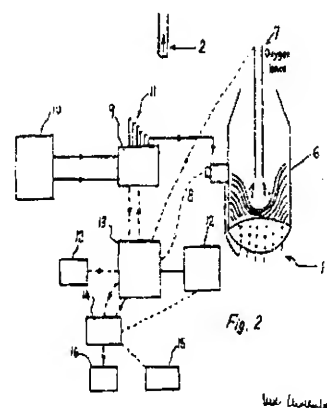
Application No. 1903/CAL/96 FILED ON 31.10.96.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING  
(RULE 4, PATENT RULE S 1972) PATENT OFFICE, KOLKATA.

### 10 CLAIMS.

A device for producing low phosphorus steel in LD converter by combined blowing and bath agitation with post blow stirring, said apparatus comprising :

- an oxygen lance (7) for blowing oxygen into the LD converter (6); and
  - refractory canned elements (1) for blowing inert gases into the LD converter (6); characterized in that said canned elements (1) is provided for introducing said inert gases into the LD converter (6) from the bottom for bath agitation and each one of said canned elements comprises brick (4) held vertically inside open topped can (3) with a gas inlet pipe (2) at the base and connected to a gas supplier (10);
  - said oxygen lance is provided for blowing oxygen from top of the LD converter (6) for optimizing blow conditions;
- and a central processor (13) being provided for controlling said bath agitation.



COMP. SPECN : 15 PAGES. DRAWING : 2 SHEETS.

## RENEWAL FEES PAID

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## PATENT SEALED ON 05.12.2002

187581 187582 187583 187585 187586 187587 187590 187591 187593 187594 187595 187597\* 187599\*D  
187600 187623 187624 187626\* 187628\*F 187629\*F 187630\*F 187631 187633 187636\*D 187637\*D  
187639\*D 187640\*D 187652 187654 187655 187656 187658 187659 187660

KOL—07 DEL—NIL, MUM—NIL, CHEN—26.

\*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

\*D=Drug Patents

\*F=Food Patents.

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are open for public inspection from the date of registration.

The date shown in the each entries in the date of registration included in the entries.

- |        |       |  |
|--------|-------|--|
| Class. | 09-01 | No.188741. SILVER DROP FOODS & BEVERAGES (P) LTD., Station Road, P.O. & Dist. Nalbari-781335, Assam (India). "BOTTLE", 10 APRIL 2002.  |
| Class. | 25-01 | No.188933. BHP STEEL LTD., Former Known as BHP STEEL (JLA) PTY., 1 York Street, Sydney, New South Wales 2001, Australia. "CLIP FOR USE ON ROOFING PANELS", 9 JANUARY 2002. {PRIORITY AUSTRALIA}.                       |
| Class. | 25-01 | No.188934. BHP STEEL LTD., Former Known as BHP STEEL (JLA) PTY., 1 York Street, Sydney, New South Wales 2001, Australia. "CLIP AND STRAM COMBINATION FOR USE ON ROOFING PANELS", 9 JANUARY 2002. {PRIORITY AUSTRALIA}. |
| Class. | 25-01 | No.188932. BHP STEEL LTD., Former Known as BHP STEEL (JLA) PTY., 1 York Street, Sydney, New South Wales 2001, Australia. "CLIP FOR USE ON ROOFING PANELS", 9 JANUARY 2002. {PRIORITY AUSTRALIA}.                       |
| Class. | 25-01 | No.188931. BHP STEEL LTD., Former Known as BHP STEEL (JLA) PTY., 1 York Street, Sydney, New South Wales 2001, Australia. "CLIP FOR USE ON ROOFING PANELS", 9 JANUARY 2002. {PRIORITY AUSTRALIA}.                       |
| Class. | 19-05 | No.189308. LINC PEN & PLASTICS LTD., 3 Alipore Road, Kolkata:-700027, W.B.; "PEN", 26 JUNE 2002.   |
| Class. | 23-03 | No.188884. M/S. PARAGON PRODUCTS. 205, DSIDC Complex, Okhla Industrial Area, Phase:-1, New Delhi:-20, India. "PORTABLE GEYSER", 30 APRIL 2002.   |

- Class. 21-02 No.188891. BESTO INDUSTRIES (INDIA) KOTLAV, Station Road, Killa Pardi 396125, Dist. Valsad, State of Gujarat, (India). "BALL", 1 MAY 2002.
- Class. 09-03 No.189772. GROWSEED AKTIENGESELLSCHAFT. Aeulstrasse 5, 940 Vaduz, Lienchtenstein. "CONTAINER EXHIBITOR", 20 AUGUST 2002.
- Class. 23-04 No.189306. RAMESHWARLAL SAJJAN KUMAR, 51, Ezra Street, Calcutta:-700001, W.B., India. "CEILING FAN", 25 JUNE 2002.
- Class. 23-04 No.189306. RAMESHWARLAL SAJJAN KUMAR, 51, Ezra Street, Calcutta:-700001, W.B., India. "CEILING FAN", 25 JUNE 2002.
- Class. 23-04 No.189306. RAMESHWARLAL SAJJAN KUMAR, 51, Ezra Street, Calcutta:-700001, W.B., India. "CEILING FAN", 25 JUNE 2002.
- Class. 23-02 No.189025. RECKITT BENCHISER INC., 1655 Valley Road, Wayne, New Jersey 07474, U.S.A, "LAVATORY CLEANING DEVICE", 11 APRIL 2002 {PRIORITY U.K.}.
- Class. 23-02 No.189026. RECKITT BENCHISER INC., 1655 Valley Road, Wayne, New Jersey 07474, U.S.A, "LAVATORY CLEANING DEVICE", 11 APRIL 2002 {PRIORITY U.K.}.
- Class. 19-06 No.188514. MERZ & KRELL GMBH & COMPANY KGAA, Bahnhofstrasse 76, 64401 Gross Bieberau, Germany. "WRITING INSTRUMENT", 21 SEPTEMBER 2001 {PRIORITY GERMAN}
- Class. 99-00 No.188775. APERFECT IRON WORKS. Mahakaria Compound, Gala No.4, Gr. Floor, Nair Wadi, Kherani Road, Sakinaka, Mumbai;-400072, Maharashtra, India. "LETTER BOX", 17 APRIL 2002.

- Class. 13-03 No.189886. TELEMECANIQUE & CONTROLS (INDIA) LTD., 122, Okhla Industrial Estate, New Delhi:-110020, India. "THERMAL OVERLOAD RELAY", 9 SEPTEMBER 2002.
- Class. 13-03 No.189044. SHRI JAVED ABDUL AZIZ. 1<sup>st</sup> Floor, Mistry Building, Mahila Patel Agyari Marg, Grant Road, Mumbai:-400007, Maharashtra, India. "ELECTRIC JUNCTION BOX", 17 MAY 2002.
- Class. 12-15 No.188835. MRF LIMITED., 124, Greams Road, Madras 600006, T.N., India. "AUTOMOBILE TYRE", 23 APRIL 2002.
- Class. 12-15 No.188834. MRF LIMITED., 124, Greams Road, Madras 600006, T.N., India. "AUTOMOBILE TYRE", 23 APRIL 2002.
- Class. 01-01 No.189046. PERFETTI VAN MELLE S.P.A, Via XV Aprile, 7/9, Lainate, Italy. "LOLLOPOP", 16 NOVEMBER 2001 {PRIORITY ITALY}.
- Class. 01-01 No.180047. PERFETTI VAN MELLE S.P.A, Via XV Aprile, 7/9, Lainate, Italy. "LOLLOPOP", 16 NOVEMBER 2001 {PRIORITY ITALY}.
- Class. 09-99 No.188602. DURA-LINE INDIA PVT. LTD., S-6, Green Park Extension, Near Upphar Cinema, New Delhi:-110016, India. "TORNADO DUCT", 1 APRIL 2002.
- Class. 12-15 No.188835. MRF LIMITED., 124, Greams Road, Madras 600006, T.N., India. "PRECURED TREAD RUBBER", 24 APRIL 2002.
- Class. 04-2 No.189078. SUNEHARI EXPORTS LIMITED. B1/E23, Mohan Co-Operative Industrial Estate, Mathura Road, Badarpur, New Delhi:-110044, India. "TOOTHBRUSH HANDLE", 21 MAY 2002.
- Class. 12-15 No.188833. MRF LIMITED., 124, Greams Road, Madras 600006, T.N., India. "AUTOMOBILE TYRE", 23 APRIL 2002.
- Class. 12-11 No.188753. KINETIC MOTOR COMPANY LTD., neeta towers, Mumbai-Pune Road, Pune-411012. Maharashtra, India. "4 STROKE SCOOTER", 11 APRIL 2002.



- Class. 25-01 No.189200. BHP STEEL LTD., 1 York Street, Sydney, New South Wales 2001 Australia. "TRUSS MEMBER", 14 JANUARY 2001. {PRIORITY AUSTRALIA}.
- Class. 07-06 No. 188493. EZHUTHULLIL NARAYANAN NARAYANAN KUTTY, B. Aishwarya Co-Operative Housing Society Ltd. Opp: G.I. Company Off IIT Main Gate Powai, Mumbai:-400077 Maharashtra, India "KNIFE SHARPENEE CUM BOTTLE OPENER", 20 MARCH 2002.
- Class. 10-04 No.188502. FREEMAN'S MEASURES LIMITED, G.T. Road, Juggiana, Ludhiana-141120, Punjab, India. "MEASURING TAPE", 21 MARCH 2002.
- Class. 09-04 No.189030. NILKAMAL CRATES & BINS. 77/78 Nilkamal House, Road No.13/14, M.I.D.C. Andheri East, Mumbai:-400093, Maharashtra, India. "CRATE", 16 MAY 2002.
- Class. 09-04 No.189029. NILKAMAL CRATES & BINS. 77/78 Nilkamal House, Road No.13/14, M.I.D.C. Andheri East, Mumbai:-400093, Maharashtra, India. "CRATE", 16 MAY 2002.
- Class. 24-01 No.189532. AOV INTERNATIONAL. 36A, Pocket 12, Jasola, New Delhi:-110044, India. "VACCINE CARRIER", 23 JULY 2002.
- Class. 07-99 No.189257. SWARAJ INDUSTRIAL & DOMESTIC APPLIANCES PVT. LTD., 4, Pearl Glass Compound, I.B. Patel Road, Goregaon (E), Mumbai:-400063, Maharashtra, India. "MIXER-GRINDER-JUICER", 20 JANUARY 2002.
- Class. 09-03 No.188543. BRIJ MOHAN MANGAL, B-20, Prerna, Swagatam Complex, Jesal Park, Bhayander (E), 401105, Dist: Thane, Maharashtra. "CONTAINER", 26 MARCH 2002.
- Class. 23-02 No.189048. INDIAN OIL CORPORATION. R&D Centre, Sector-13, Faridabad-121002, India. "ROOM HEATER", 20 MAY 2002.

- Class. 15-05 No.188761. MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., 1006, Oaza Kadoma, Kadoma-Shi, Osaka 571-8501, Japan. "ELECTRIC WASHING MACHINE", 12 NOVEMBER 2002. {RECIPROCITY JAPAN}.
- Class. 19-02 No.188832. MAX COMPANY LIMITED. 6-6, Nihonbashi Hamozaki\_Cho, Chuo-Ku, Tokyo, Japan. "STAPLER", 12 NOVEMBER 2001 {RECIPROCITY JAPAN}.
- Class. 02-04 No.189332. LIBERTY SHOE LIMITED. Liberty Puram, 13, Milestone, GT Karnal Road, Kutail, Dt-Karnal-132001, Haryana, India. "SOLE FOR FOOTWEAR", 28 JUNE 2002.
- Class. 06-01 No.188181. NILKAMAL PLASTICS LTD., Plot No.971-1A, Sinnar Taluka Industrial Co-Operative Estate, Sinnar Shirdi Road, Sinnar-422103, Maharashtra, India. "CHAIR", 21 FEBRUARY 2002.
- Class. 19-06 No.188828. QUADRINVEST S.P.A., Strada Cebrosa, 64-10036 Settimo Torinese (Torino)-Italy. "WRITING INSTRUMENT", 24 JANUARY 2002 {RECIPROCITY ITALY}
- Class. 02-04 No.189412. M/S. A.T.S. OVERSEAS (P) LTD., 6528/9, Dev Nagar. Karol Bagh, Delhi(India). "SOLE OF FOOTWEAR", 9 JULY 2002.
- Class. 12-16 No.189098. SPARK ENGINEERING PVT. LTD., 40/1, Site IV, Sahibabad, Industrial Area, Gaziabad-201010, U.P., India. "FREE WHEEL", 24 MAY 2002.
- Class. 13-03 No.189168. SHIRI JAVED ABDUL AZIZ, 1<sup>st</sup> floor, Mistry Building, Mahila Patel Agyari Marg, Grant Road, Mumbai:-400007, Maharashtra, India. "ELECTRIC JUNCTION BOX", 4 JUNE 2002.
- Class. 15-99 No.188645. M/S. SURJIT SINGH & SONS, Plot No.87/3/1, St. No.7, G.T. Road to Baba Road, Ludhiana-141003, (PB.) (India). "BUTTON COVERING MACHINE", 2 APRIL 2002.

- Class. 07-02 No.189616. ROYAL APPLIANCES. 603/9, G.T. Road, OPP. Syndicate Bank, Shahdara, Delhi:-110032, India. "PRESSURE COOKER", 31 JULY 2002.
- Class. 03-07 No.189563. DART INDUSTRIES INC., 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "ICE CREAM SCOOP", 29 JANUARY 2002. {RECIPROCITY U.S.A.}.
- Class. 15-01 No.188749. CHONGOING LIFAN INDUSTRY (GROUP) CO. LTD., No.60, Zhangjiawan Shangqiao, Shapingba District, Chongqing City 400037, P.R., China. "THREE-VALVE ENGINE", 12 OCTOBER 2001 {RECIPROCITY CHINA}.
- Class. 11-04 No.188401. M/S I.K. ENTERPRISES PVT. LTD., 2 Karbala Lane, Jor Bagh, New Delhi(India). 13 MARCH 2002 {SILVER PLATED ROSE}.
- Class. 09-05 No.189680. SHAKTI ZARDA FACTORY (INDIA) PVT. LTD., C-9/24, Yamuna Vihar, Delhi:-110053, India. "TOBACO BAG", 7 AUGUST 2002.
- Class. 99-00 No.189662. IAG COMPANY LIMITED. Regd. & H.O. 3, Hungerford Street, Kolkata:-700017, W.B., India. "FIFURED GLASS", 6 AUGUST 2002.
- Class. 13-03 No.189222. ANCHOR KENWOOD ELECTRICALS, Plot No. G-9, Croass Road, "A" M.I.D.C., Andheri (E), Mumbai:-400039, Maharashtra, India. "SWITCH WITH COVER PLATE", 14 JUNE 2002.
- Class. 14-02 No.189105. HON HAI PRECISION INDUSTRY COMPANY LIMITED. 2, TZU YU Street, TU Cheng City. "COMPUTER FRONT bezel", 22 MARCH 2002 {RECIPROCITY CHINA}.
- Class. 06-11 No.188927. NAVIN KOHLI. D-15, Panki Industrial Area, Site II, Kanpur-208002, India. "RUBBER MAT", 7 MAY 2002.
- Class. 09-99 No.189276. VISHAL TOOLS & FORGINGS PVT. LTD. B-9, Focal Point Extension, Jalandhar-144004, (PB.), India. "RACK FOR SPANNERS".

- Class. 09-01 No.189831. MARTINE MICALLEF. S.A.R.L. Perfume's New Generation, Les Trois Moulins, 49, Route Des Alisiers Bat, A, 06600 Antibes France. "BOTTLE", 27 AUGUST 2002.
- Class. 07-04 No.188911. ASIAN INDUSTRIES. C-14, Shukla Ind. Estate, Singh Compound, Jogeshwari (W), Mumbai:-400102, Maharashtra, India. "BLENDER", 3 MAY 2002.

( B.P. MISHRA )  
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